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A STATEWIDE SUMMARY OF
LEVELS, TRENDS AND
TURNOVER RATES

PENNSYLVANIA EMPLOYMENT AND EARNINGS

1979 BENCHMARKS INTRODUCED

FEBRUARY 1980
Vol. XXV No. 2

JOB
SERVICE

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF LABOR AND INDUSTRY BUREAU OF EMPLOYMENT SECURITY
In cooperation with the United States Bureau of Labor Statistics

BUR-652 REV 10-77

- EXPLANATORY -

INDUSTRY EMPLOYMENT

Employment data, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives."

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

LABOR TURNOVER RATES

Labor Turnover rates for manufacturing industries are computed by dividing totals of each turnover item by the total employment in all establishments. These rates are multiplied by 100, rounded to one decimal place, and published as rates of turnover per 100 employees.

This report is prepared by the Research and Statistics Division.
Refer queries, in writing to:
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Issued: February 1980 Reference: Mid-January

PENNSYLVANIA EMPLOYMENT & EARNINGS
JANUARY 1980

Total unemployment in Pennsylvania, adjusted for seasonal influences, declined slightly in January while unadjusted unemployment rose.

Seasonally adjusted, the rate of unemployment was estimated at 7.2 percent of the total civilian labor force in January, down from 7.3 percent in December. The volume of unemployment was 385,000 in January, a reduction of 8,000 from December. Unemployment levels remained above those of the previous year. Last January, seasonally adjusted unemployment was 339,000 and the rate was 6.4 percent.

The unadjusted rate of unemployment climbed sharply to 7.8 percent in January from 6.6 percent in December. The unadjusted volume of unemployment was 414,000 in January, an increase of 59,000 over December. One year ago, unemployed workers numbered 376,000, with a rate of 7.1 percent.

The rise in unadjusted unemployment was attributed to normal seasonal cutbacks in employment, particularly in the RETAIL TRADE and CONSTRUCTION industries.

Nationwide, the January seasonally adjusted rate was 6.2 percent of the total civilian labor force, up from 5.9 percent in December. The unadjusted rate was 6.8 percent in January, up from 5.6 percent in December.

At the outset of the new year, job counts at the nonagricultural wage and salary level were down 94,300, a reflection of inevitable seasonal cutbacks. The drop, however, was not so drastic as it has been in recent years. With the job count standing at 4,794,500, the net loss was approximately 8 percent lighter than the five-year average January decline. In addition, the job level was estimated at 93,000 higher than a year ago.

FACTORY EMPLOYMENT DROPS

Factory jobs lagged by 13,900. Durables accounted for more than half of the losses. TRANSPORTATION EQUIPMENT, feeling economic repercussions, lost 5,100 jobs. STONE, CLAY AND GLASS was off 2,400 and PRIMARY METALS showed a minus 2,100. More than half of the drop in PRIMARY METALS was due to the effects of some major plant shutdowns in western Pennsylvania. In nondurable industries, APPAREL showed the first heartening change in seven months with an additional 1,000 jobs. The remaining industries in this group, however, with the exception of LEATHER, reported dwindling employment. The number of factory jobs came close to last year's total, as durables showed an increase of 5,300 while nondurables took a drop of more than 10,000 jobs.

The past year could be described as 'steady' insofar as factory employment was concerned. With the low point occurring in January and gradually rising to a peak in June, jobs see-sawed for several months before finally sliding to the present level.

The latest available job turnover rates for Pennsylvania factories (December) indicates layoffs increasing - up 25 percent over November. Quits and new hires declined. Overall accessions, which includes new hires, recalls and transfers, dropped 17 percent.

PRODUCTION CUTBACKS SEEN IN HOURS AND EARNINGS

Factory hours and earnings were down in January. An average hourly rate of $7.26 for a 39.3 hour workweek reflected a drop of six cents in the rate and thirty minutes in production hours. Overtime appeared to be the controlling factor. Some industries showed increased overtime during the period but the greater tendency was toward a slackening in premium paid hours. The state's largest industry, PRIMARY METALS, reported a 2.5 hour cutback in the production workweek. Other significant downturns were noted in PETROLEUM, down 2.4 hours and PRINTING, off 1.1 hours.

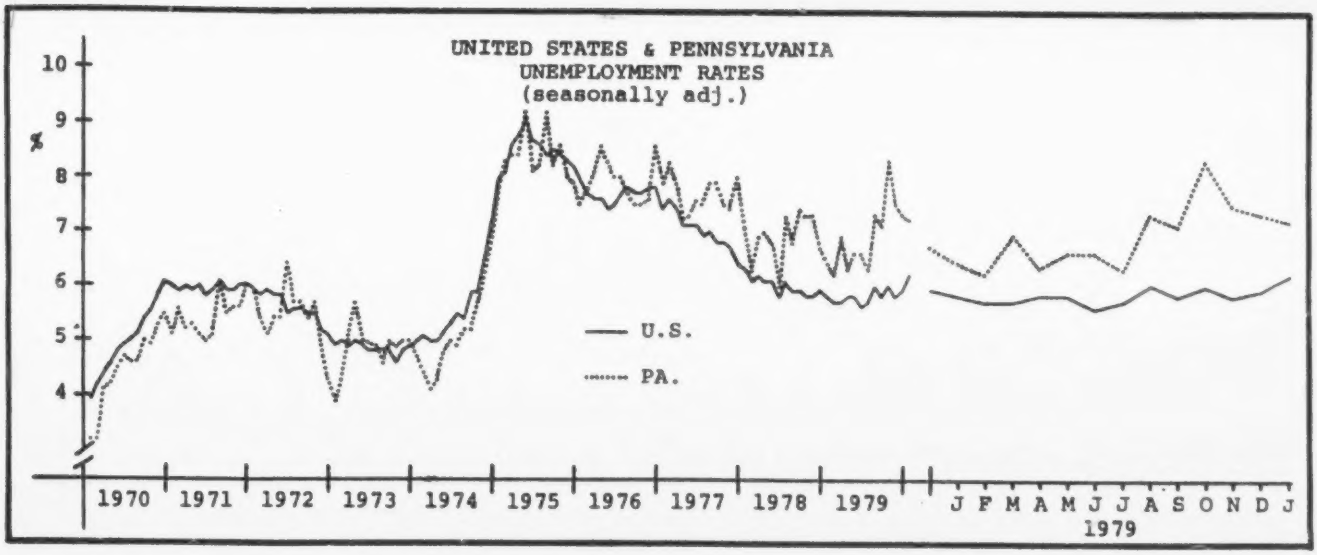
During 1979 production output, as measured by factory manhours, was greatest in March and November with a 40.3 hour week. It reached the low point of 38.9 hours in April. Average hourly rates climbed steadily throughout the year reaching $7.33 in December - a sixty cent increase over the twelve month period.

Nationally, manufacturing hourly rates averaged $6.95 in January for a 39.9 hour workweek.

NONMANUFACTURING JOBS DOWN SEASONALLY

Of the 79,100 drop in non-factory jobs from December to January, the CONSTRUCTION seasonal slump accounted for 20,000. RETAIL TRADE and SERVICES lost 33,700 and 21,100, respectively. GOVERNMENT jobs were down 3,400, with labor-management disputes at the local level responsible for approximately 38 percent of this decrease. TRANSPORTATION and PUBLIC UTILITIES posted the only gain during January with a plus 700.

Over the year comparisons were favorable. Nonmanufacturing jobs continued on a rising curve, notably in SERVICES with a 55,400 increase. CONSTRUCTION and GOVERNMENT jobs also came out on top with a combined growth of 30,000. The overall growth in nonmanufacturing jobs was blunted by losses in RETAIL TRADE and MINING.


UNITED STATES & PENNSYLVANIA
UNEMPLOYMENT RATES
(seasonally adj.)

EMPLOYMENT DATA IN THIS PUBLICATION HAVE BEEN REVISED TO FIRST QUARTER 1979 BENCHMARKS, AND ARE THEREFORE, NOT STRICTLY COMPARABLE WITH FIGURES PUBLISHED PRIOR TO JANUARY 1978. DATA ARE BASED ON INDUSTRY CLASSIFICATION IN ACCORDANCE WITH THE REVISED 1972 STANDARD INDUSTRIAL CLASSIFICATION MANUAL.

On all tables data for most recent month are preliminary and subject to revision.

ADDITIONAL NOTATION ON PAGE 13

Table 1. Resident Employment, Unemployment and Unemployed Rate
(Thousands)

	PENNSYLVANIA					UNITED STATES				
Year	Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %	Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %
1962	4,474.2	4,110.5	363.7	8.1		70,614.0	66,702.0	3,911.0	5.5	
1963	4,422.9	4,090.0	332.9	7.5		71,833.0	67,762.0	4,070.0	5.7	
1964	4,430.9	4,155.2	275.7	6.2		73,091.0	69,305.0	3,786.0	5.2	
1965	4,469.3	4,263.4	205.9	4.6		74,455.0	71,088.0	3,366.0	4.5	
1966	4,558.3	4,395.0	163.3	3.6		75,770.0	72,895.0	2,875.0	3.8	
1967	4,63[illegible].0	4,467.0	170.0	3.7		77,347.0	74,732.0	2,975.0	3.8	
1968	4,634.0	4,475.0	159.0	3.4		78,737.0	75,920.0	2,817.0	3.6	
1969	4,720.0	4,566.0	154.0	3.3		80,734.0	77,902.0	2,832.0	3.5	
1970	4,828.0	4,610.0	218.0	4.5		82,715.0	78,627.0	4,088.0	4.9	
1971	4,801.0	4,542.0	260.0	5.4		84,113.0	79,120.0	4,993.0	5.9	
1972	4,870.0	4,607.0	264.0	5.4		86,542.0	81,702.0	4,840.0	5.6	
1973	4,981.0	4,739.0	241.0	4.8		88,714.0	84,409.0	4,304.0	4.9	
1974	5,027.0	4,768.0	258.0	5.1		91,011.0	85,935.0	5,076.0	5.6	
1975	5,068.0	4,646.0	421.0	8.3		92,613.0	84,783.0	7,830.0	8.5	
1976	5,094.0	4,690.0	404.0	7.9		94,773.0	87,485.0	7,288.0	7.7	
1977	5,165.0	4,767.0	398.0	7.7		97,401.0	90,546.0	6,855.0	7.0	
1978	5,255.0	4,891.0	364.0	6.9		100,420.0	94,373.0	6,047.0	6.0	
1979	5,296.0	4,930.0	366.0	6.9		102,908.0	96,945.0	5,963.0	5.8	
1979 Jan.	5,273.0	4,897.0	376.0	7.1	6.4	100,867.0	94,436.0	6,431.0	6.4	5.8
Feb.	5,236.0	4,842.0	394.0	7.5	6.2	101,249.0	94,765.0	6,484.0	6.4	5.7
Mar.	5,271.0	4,860.0	411.0	7.8	6.9	101,665.0	95,501.0	6,165.0	6.1	5.7
Apr.	5,179.0	4,860.0	320.0	6.2	6.3	101,236.0	95,675.0	5,561.0	5.5	5.8
May	5,209.0	4,915.0	294.0	5.6	6.6	101,473.0	96,220.0	5,253.0	5.2	5.8
Jun.	5,333.0	4,950.0	383.0	7.2	6.6	104,153.0	97,917.0	6,235.0	6.0	5.7
Jul.	5,387.0	5,047.0	340.0	6.3	6.3	104,995.0	98,891.0	6,104.0	5.8	5.7
Aug.	5,339.0	4,967.0	372.0	7.0	7.3	104,363.0	98,226.0	6,137.0	5.9	5.9
Sep.	5,290.0	4,933.0	356.0	6.7	7.1	103,373.0	97,576.0	5,798.0	5.6	5.8
Oct.	5,348.0	4,923.0	425.0	7.9	8.3	103,939.0	98,158.0	5,781.0	5.6	5.9
Nov.	5,359.0	4,990.0	368.0	6.9	7.5	103,719.0	97,943.0	5,776.0	5.6	5.8
Dec.	5,331.0	4,978.0	354.0	6.6	7.3	103,884.0	98,047.0	5,836.0	5.6	5.9
1980 Jan.	5,332.0	4,918.0	414.0	7.8	7.2	103,188.0	96,145.0	7,043.0	6.8	6.2

TABLE 2. TOTAL CIVILIAN LABOR FORCE, UNEMPLOYMENT AND EMPLOYMENT IN PENNSYLVANIA

RESIDENT DATA	Total – All Persons (In thousands)			Net Change From--	
	Jan. 1980	Dec. 1979	Jan. 1980	Dec. 1979	Jan. 1979
TOTAL CIVILIAN LABOR FORCE	5,332.0	5,331.0	5,273.0	1.0	59.0
TOTAL UNEMPLOYMENT (UNADJUSTED)	414.0	354.0	376.0	60.0	38.0
% CIVILIAN LABOR FORCE	7.8	6.6	7.1	1.2	0.7
TOTAL UNEMPLOYMENT (SEASONALLY ADJUSTED)	385.0	393.0	339.0	-0.8	46.0
% CIVILIAN LABOR FORCE	7.2	7.3	6.4	-0.1	0.8
TOTAL EMPLOYMENT	4,918.0	4,978.0	4,897.0	-60.0	21.0

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

ESTABLISHMENT DATA	Total – All Jobs (Thousands)			Net Change From--	
	Jan. 1980	Dec. 1979	Jan. 1980	Dec. 1979	Jan. 1979
TOTAL NONAG. WAGE & SALARY EMPLOYMENT #	4,794.5	4,888.8	4,701.4	-94.3	93.1
LABOR-MANAGEMENT DISPUTES	5.0	6.3	5.8	-1.3	-0.8
ALL MANUFACTURING INDUSTRIES	1,369.8	1,383.7	1,374.7	-13.9	-4.9
TOTAL NONMANUFACTURING INDUSTRIES	3,419.7	3,498.8	3,320.8	-79.1	98.9
Mining	50.5	51.1	52.7	-0.6	-2.2
Anthracite	3.1	3.1	3.2	0.0	-0.1
Bituminous	39.0	39.0	41.8	0.0	-2.8
Nonmetallic minerals	4.3	4.8	4.0	-0.5	0.3
Contract Construction	189.7	209.7	170.5	-20.0	19.2
General building	55.1	60.7	50.2	-5.6	4.9
Heavy construction	24.0	30.3	27.8	-6.3	-3.8
Special trades	110.6	118.7	92.5	-8.1	18.1
Transportation	168.9	168.5	166.9	0.4	2.0
Railroads	45.8	43.2	44.4	2.6	1.4
Public Utilities	104.3	104.0	102.2	0.3	2.1
Communications	55.1	54.7	53.6	0.4	1.5
Electric, gas & sanitary service	49.2	49.3	48.6	-0.1	0.6
Electric systems	23.4	23.4	23.1	0.0	0.3
Gas production	11.6	11.6	11.4	0.0	0.2
Wholesale trade	240.0	240.6	233.2	-0.6	6.8
Retail trade	738.6	772.3	742.0	-33.7	-3.4
General merchandise stores	128.0	137.1	130.3	-9.1	-2.3
Department stores	114.4	121.4	115.3	-7.0	-0.9
Finance, insurance & real estate	237.5	237.9	229.3	-0.4	8.2
Banking	78.4	78.3	75.6	0.1	2.8
Commercial & stock savings	72.3	72.2	69.8	0.1	2.5
Credit agencies & securities	29.9	29.9	29.2	0.0	0.7
Insurance	70.2	70.3	68.2	-0.1	2.0
Life insurance	26.2	26.4	25.9	-0.2	0.3
Fire, marine & casualty	29.4	29.3	28.5	0.1	0.9
Services	965.4	986.5	910.0	-21.1	55.4
Business services	122.0	125.6	118.6	-3.6	3.4
Health services	305.1	304.6	298.2	0.5	6.9
Nursing & personal care	50.6	50.2	47.9	0.4	2.7
Hospitals	186.8	186.2	181.7	0.6	5.1
Educational service	144.2	155.7	120.4	-11.5	23.8
Miscellaneous services	46.1	45.3	44.0	0.8	2.1
Engineering & architectural	29.0	28.3	27.8	0.7	1.2
Government	724.8	728.2	714.0	-3.4	10.8
Federal	131.8	132.8	130.3	-1.0	1.5
State & local	593.0	595.4	583.7	-2.4	9.3

TABLE 3. TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA BY MAJOR INDUSTRY DIVISIONS

(Thousands)

Year and Month	Total Nonagr. Wage & Salary	Private Sector Wage & Salary	All Manu-facturing	Total Non-Manu-facturing	Mining	Contract Construction	Trade		
							Total	Wholesale	Retail
1968	4,263.5	3,675.3	1,570.0	2,693.4	38.0	190.2	779.0	197.5	581.5
1969	4,374.9	3,765.6	1,588.9	2,786.1	38.6	198.5	806.3	201.7	604.7
1970	4,351.6	3,732.9	1,528.8	2,822,8	39.5	192.0	816.5	203.2	613.3
1971	4,291.3	3,662.2	1,438.1	2,853.3	38.0	189.0	828.8	203.3	625.5
1972	4,400.0	3,748.1	1,444.0	2,956.0	40.2	203.1	855.3	206.8	648.5
1973	4,506.5	3,847.7	1,480.1	3,026.4	39.7	205.9	886.5	212.5	674.0
1974	4,514.6	3,832.6	1,464.5	3,050.1	42.1	200.6	879.0	213.4	665.6
1975	4,435.8	3,714.4	1,334.8	3,101.0	46.1	184.5	886.8	216.1	670.8
1976	4,512.8	3,790.7	1,335.2	3,177.5	48.3	180.3	919.3	220.7	698.6
1977	4,565.0	3,853.8	1,341.5	3,223.5	48.0	183.9	939.0	221.7	717.2
1978	4,724.6	3,999.7	1,369.2	3,355.4	46.8	199.0	983.7	230.8	752.9
1979	4,830.6	4,107.9	1,389.8	3,440.8	52.0	205.8	990.0	238.1	751.9
1979 Jan.	4,695.6	3,981.6	1,374.7	3,320.9	52.7	170.5	975.3	233.2	742.1
Feb.	4,694.5	3,967.2	1,375.9	3,318.6	51.6	161.5	962.3	232.8	729.5
Mar.	4,749.6	4,016.4	1,381.9	3,367.7	51.9	177.2	970.2	235.1	735.1
Apr.	4,819.4	4,082.9	1,389.5	3,429.9	52.2	197.9	987.4	237.1	750.3
May	4,863.[illegible]	4.122.0	1,392.2	3,470.8	52.1	209.8	996.3	237.8	758.5
Jun.	4,911.3	4,175.5	1,409.8	3,501.5	52.7	218.3	1,001.8	240.6	761.2
Jul.	4,852.6	4,142.8	1,397.1	3,455.5	52.3	226.8	987.8	241.1	746.7
Aug.	4,845.7	4,137.7	1,390.4	3,455.3	51.9	227.1	986.6	240.6	746.0
Sep.	4,855.9	4,157.7	1,398.0	3,457.9	52.5	225.6	989.5	237.5	752.0
Oct.	4,896.8	4,182.8	1,394.6	3,502.2	51.4	225.1	1,002.7	240.0	762.7
Nov.	4,855.5	4,128.2	1,390.2	3,465.3	51.9	220.0	1,006.8	240.8	766.0
Dec.	4,882.5	4,154.3	1,383.7	3,498.8	51.1	209.7	1,012.9	240.6	772.3
1980 Jan.	4,789.5	4,064.7	1,369.8	3,419.7	50.5	189.7	978.6	240.0	738.6

Year and Month	Transportation	Public Utilities	Finance, Insurance & Real Estate	Services and Miscellaneous			Government		
				Total	Hospitals	Other Services	Total	Federal	State & Local
1968	INA	INA	177.7	651.8	INA	INA	588.1	147.5	440.7
1969	INA	INA	183.1	682.6	INA	INA	609.4	146.5	462.8
1970	INA	INA	189.9	698.8	INA	INA	618.7	145.4	473.3
1971	INA	INA	193.7	709.9	INA	INA	629.2	138.5	490.7
1972	161.3	104.7	200.5	739.0	148.2	590.8	651.4	137.6	513.8
1973	161.6	105.5	206.5	762.1	151.9	610.2	658.2	136.4	521.8
1974	161.1	104.4	207.3	773.6	154.9	618.7	681.5	136.6	544.9
1975	154.0	102.5	207.3	798.5	159.8	638.7	720.9	134.4	586.5
1976	155.4	101.1	211.4	839.7	165.5	674.2	721.6	131.8	589.8
1977	160.7	100.7	217.5	862.4	171.1	691.3	711.2	128.1	583.0
1978	165.7	101.5	226.6	907.2	177.9	729.3	724.9	129.5	595.4
1979	169.5	103.5	235.4	961.8	184.6	777.2	722.7	131.6	591.2
1979 Jan.	166.9	102.2	229.3	910.0	181.7	728.3	714.0	130.3	583.7
Feb.	167.3	102.3	229.9	916.4	181.9	734.5	727.3	129.8	597.5
Mar.	169.9	102.4	231.4	931.5	182.3	749.2	733.2	130.2	603.0
Apr.	169.3	102.5	232.7	951.4	182.9	768.5	736.5	130.8	605.7
May	172.5	102.9	234.7	961.5	183.1	778.4	741.0	131.2	609.8
Jun.	173.2	104.2	238.4	977.1	185.9	791.2	735.8	132.9	602.9
Jul.	166.3	105.0	239.5	968.0	186.7	781.3	709.8	133.5	576.3
Aug.	166.1	105.0	239.4	971.2	186.0	785.2	708.0	132.6	575.4
Sep.	170.9	104.0	236.9	980.3	185.6	794.7	198.2	131.4	566.8
Oct.	172.3	103.9	237.1	995.7	185.9	809.8	714.0	131.1	582.9
Nov.	171.3	104.0	237.7	946.9	186.4	760.5	726.7	132.1	594.6
Dec.	168.5	104.0	237.9	986.5	186.2	800.3	728.2	132.8	595.4
1980 Jan.	168.9	104.3	237.5	965.4	186.8	778.6	724.8	131.8	593.0

TABLE 4. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRY GROUPS

(Per 100 Employees)

DECEMBER 1979

Industry	Employment (Thousands)	Accession Rates								
		Total			New Hires			Recalls		
		Dec. 1979	Nov. 1979	Dec. 1978	Dec. 1979	Nov. 1979	Dec. 1978	Dec. 1979	Nov. 1979	Dec. 1978
All Manufacturing	1,383.7	1.9	2.3	1.9	0.9	1.3	1.1	0.9	0.8	0.6
Durable Goods	853.0	1.7	1.8	1.6	0.7	0.9	0.9	0.8	0.6	0.5
Furniture & Fixtures	20.3	2.6	2.8	2.8	1.4	2.1	2.5	1.0	0.6	0.2
Stone, Clay & Glass Products	64.6	1.4	2.0	1.7	0.3	0.7	0.7	0.9	1.1	0.8
Primary Metal Industries	200.7	1.9	1.7	1.6	0.4	0.7	0.5	1.3	0.9	0.8
Fabricated Metal Products	116.6	1.9	2.4	1.9	0.9	1.4	1.0	0.9	0.9	0.7
Machinery, exc. Electrical	143.4	1.1	1.4	1.4	0.8	1.1	1.1	0.2	0.2	0.2
Electric & Electronic Equip.	128.9	1.6	1.5	1.6	0.7	0.9	0.8	0.6	0.2	0.5
Transportation Equipment	88.1	2.1	2.2	1.6	0.4	0.7	0.8	1.2	1.1	0.3
Instruments & Related Products	42.8	1.2	1.5	1.1	0.8	1.0	0.9	0.3	0.4	0.1
Miscellaneous Manufacturing	25.9	1.3	1.6	1.7	0.6	1.1	0.6	0.7	0.4	1.0
Nondurable Goods	530.7	2.3	3.0	2.2	1.1	1.9	1.4	1.0	1.0	0.7
Food & Kindred Products	102.1	2.8	3.5	2.6	1.1	2.2	1.9	1.2	1.1	0.6
Textile Mill Products	47.5	1.9	2.9	2.5	1.3	1.9	1.7	0.5	0.8	0.7
Apparel & Related Products	122.5	3.1	3.6	2.0	1.1	1.7	1.2	1.9	1.7	0.7
Paper & Allied Products	43.8	1.5	2.4	2.3	0.7	1.6	1.0	0.7	0.7	1.1
Printing & Publishing	73.5	2.4	2.4	2.1	1.6	1.8	1.3	0.7	0.5	0.7
Chemicals & Allied Products	61.5	1.3	1.4	1.2	0.9	0.9	0.9	0.2	0.4	0.2
Petroleum & Coal Products	17.1	0.6	0.9	0.6	0.5	0.8	0.4	N	0.1	N
Rubber & Plastics Products	42.0	1.9	2.5	1.9	1.0	1.3	1.3	0.7	0.9	0.5
Leather & Leather Products	17.5	4.2	4.5	4.5	2.4	3.6	2.7	1.6	0.6	1.5

Industry	Employment (Thousands)	Separation Rates								
		Total			Quits			Layoffs		
		Dec. 1979	Nov. 1979	Dec. 1978	Dec. 1979	Nov. 1979	Dec. 1978	Dec. 1979	Nov. 1979	Dec. 1978
All Manufacturing	1,383.7	3.1	3.0	2.7	0.6	0.8	0.8	2.0	1.6	1.3
Durable Goods	853.0	3.1	2.7	2.1	0.4	0.6	0.5	2.1	1.6	1.0
Furniture & Fixtures	20.3	3.7	4.4	3.3	1.1	1.4	1.9	1.8	2.2	0.5
Stone, Clay & Glass Products	64.6	3.4	2.2	3.6	0.3	0.5	0.5	2.6	1.3	2.2
Primary Metal Industries	200.7	3.9	2.3	1.9	0.3	0.3	0.3	3.1	1.4	1.0
Fabricated Metal Products	116.6	3.9	2.7	2.3	0.5	0.6	0.6	2.8	1.5	1.2
Machinery, exc. Electrical	143.4	1.1	1.3	1.4	0.4	0.6	0.6	0.3	0.4	0.4
Electric & Electronic Equip.	128.9	1.9	1.9	1.7	0.5	0.5	0.5	0.8	0.8	0.6
Transportation Equipment	88.1	4.7	6.2	2.0	0.3	0.6	0.3	3.6	4.7	1.0
Instruments & Related Products	42.8	0.9	1.4	1.2	0.4	0.6	0.6	0.1	0.4	0.1
Miscellaneous Manufacturing	25.9	4.8	6.6	5.5	0.7	1.5	0.8	3.8	4.5	4.1
Nondurable Goods	530.7	3.2	3.6	3.5	0.8	1.3	1.2	1.8	1.7	1.6
Food & Kindred Products	102.1	3.4	4.2	4.8	1.1	1.7	1.5	1.8	1.7	2.5
Textile Mill Products	47.5	3.3	3.8	3.5	1.2	1.9	1.6	1.5	1.4	1.3
Apparel & Related Products	122.5	4.9	5.5	4.8	0.8	1.4	1.2	3.5	3.6	2.8
Paper & Allied Products	43.8	2.9	2.8	2.4	0.5	1.1	0.7	2.0	1.0	1.2
Printing & Publishing	73.5	1.7	2.2	1.9	0.8	1.1	1.1	0.5	0.8	0.5
Chemicals & Allied Products	61.5	1.3	1.2	1.3	0.4	0.6	0.5	0.5	0.3	0.3
Petroleum & Coal Products	17.1	2.0	1.5	1.8	0.3	0.4	0.3	1.5	0.7	0.8
Rubber & Plastics Products	42.0	3.0	2.8	2.7	0.6	1.0	1.0	1.8	1.2	1.0
Leather & Leather Products	17.5	4.4	6.7	7.0	2.3	3.2	3.5	1.1	3.0	2.7

N = Negligible

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

Industry Detail

(Thousands)

SIC	Industry	Total – All Employees			Net Change From –	
		Jan. 1980	Dec. 1979	Jan. 1979	Dec. 1979	Jan. 1979
	TOTAL MANUFACTURING INDUSTRIES	1,369.8	1,383.7	1,374.7	-13.9	-4.9
	TOTAL DURABLE GOODS	845.3	853.0	840.0	-7.7	5.3
24	Lumber & wood products	21.8	21.7	21.4	0.1	0.4
243	Millwork, plywood & structural	7.1	7.1	7.3	0.0	-0.2
	Other lumber & wood products	14.7	14.6	14.1	0.1	0.6
25	Furniture & fixtures	20.3	20.3	20.4	0.0	-0.1
251	Household furniture	9.7	9.8	9.5	-0.1	0.2
252	Office furniture	4.8	4.7	5.2	0.1	-0.4
	Other furniture & fixtures	5.8	5.8	5.7	0.0	0.1
32	Stone, clay & glass products	62.2	64.6	63.6	-2.4	-1.4
322	Glass & glassware, pressed or blown	16.1	16.7	17.0	-0.6	-0.9
3221	Glass containers	8.4	8.7	9.5	-0.3	-1.1
3229	Other pressed or blown glass	7.7	8.0	7.5	-0.3	0.2
324	Hydraulic cement	2.9	3.5	3.5	-0.6	-0.6
325	Structural clay products	6.5	6.7	6.6	-0.2	-0.1
326	Pottery & related products	5.2	5.3	5.1	-0.1	0.1
327	Concrete, gypsum & plaster products	8.4	9.0	7.9	-0.6	0.5
	Other stone, clay & glass products	23.1	23.4	23.5	-0.3	-0.4
33	Primary metal industries	198.6	200.7	200.9	-2.1	-2.3
331	Blast furnace & basic steel products	148.4	149.0	149.8	-0.6	-1.4
3312	Blast furnaces & steel mills	135.1	135.6	136.9	-0.5	-1.8
	Other basic steel products	13.3	13.4	12.9	-0.1	0.4
332	Iron & steel foundries	20.5	20.6	20.6	-0.1	-0.1
3321	Gray iron foundries	8.0	8.0	8.1	0.0	-0.1
3325	Steel foundries, n.e.c.	7.5	7.5	7.4	0.0	0.1
3322,4	Malleable iron & steel invest.	5.0	5.1	5.1	-0.1	-0.1
335	Nonferrous rolling & drawing	13.1	13.2	12.9	-0.1	0.2
336	Nonferrous foundries	7.7	7.7	7.7	0.0	0.0
	Other primary metal products	8.9	10.2	9.9	-1.3	-1.0
34	Fabricated metal products,(incl. ordnance)	115.5	116.6	116.0	-1.1	-0.5
341	Metal cans & shipping containers	4.8	5.0	5.0	-0.2	-0.2
342	Cutlery, hand tools & hardware	7.8	7.8	7.9	0.0	-0.1
343	Plumbing & heating exc. electrical	3.7	3.7	3.6	0.0	0.1
344	Fabricated structural metal products	36.8	37.0	36.6	-0.2	0.2
3441	Fabricated structural metal	9.3	9.7	9.1	-0.4	0.2
3443	Fabricated plate work (boiler shops)	11.3	11.2	11.3	0.1	0.0
	Other fabricated struct. metal products	16.2	16.1	16.2	0.1	0.0
345	Screw machine products, bolts, etc.	9.1	9.3	8.8	-0.2	0.3
346	Metal forgings & stampings	20.7	20.9	21.6	-0.2	-0.9
3462	Iron & steel forgings	6.5	6.6	6.4	-0.1	0.1
	Other metal forgings & stampings	14.2	14.3	15.2	-0.1	-1.0
347,8	Metal services & ordnance, n.e.c.	8.1	8.2	8.1	-0.1	0.0
349	Misc. fabricated metal products	24.5	24.7	24.4	-0.2	0.1
3494	Valves & pipe fittings	10.9	10.9	10.8	0.0	0.1
	Other misc. fabricated metal products	13.6	13.8	13.6	-0.2	0.0
35	Machinery, exc. electrical	146.4	143.4	140.0	3.0	6.4
351	Engines & turbines	7.1	7.1	7.7	0.0	-0.6
352	Farm & garden machinery	4.7	4.7	4.3	0.0	0.4
353	Construction & related machinery	26.1	23.1	25.3	3.0	0.8
3531	Construction machinery	9.5	6.5	9.5	3.0	0.0
3535	Conveyors & conveying equipment	3.4	3.4	3.5	0.0	-0.1
	Other construction & related machinery	13.2	13.2	12.3	0.0	0.9
354	Metal working machinery	24.6	24.4	22.2	0.2	2.4
355	Special industry machinery	13.7	13.7	12.9	0.0	0.8
356	General industrial machinery	29.9	30.1	29.4	-0.2	0.5
3561	Pumps & pumping equipment	4.0	4.0	3.9	0.0	0.1
3562	Ball & roller bearings	4.4	4.4	4.4	0.0	0.0
3563	Air & gas compressors	5.4	5.5	5.4	-0.1	0.0
3567	Industrial furnaces & ovens	4.1	4.2	3.9	-0.1	0.2
	Other general industrial machinery	12.0	12.0	11.8	0.0	0.2

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

(cont.)

Industry Detail

(Thousands)

SIC Code	Industry	Total – All Employees Jan. 1980	 Dec. 1979	 Jan. 1979	Net Change – Dec. 1979	 Jan. 1979
357	Office and computing machines	12.9	13.0	12.4	-0.1	0.5
358	Refrigeration & service industry machinery	12.1	12.1	11.7	0.0	0.4
359	Misc. machinery, exc. electrical	15.3	15.2	14.1	0.1	1.2
36	Electric & electronic equipment	128.9	128.9	125.8	0.0	3.1
361	Electric distributing equipment	19.1	19.4	20.5	-0.3	-1.4
3612	Transformers	6.3	6.4	6.5	-0.1	-0.2
3613	Switchgear & switchboard apparatus	12.8	13.0	14.0	-0.2	-1.2
362	Electrical industrial apparatus	24.0	23.8	23.9	0.2	0.1
363	Household appliances	4.6	4.6	4.8	0.0	-0.2
364	Electric lighting & wiring equipment	23.0	22.9	22.1	0.1	0.9
3643	Current-carrying wiring devices	11.6	11.5	11.1	0.1	0.5
	Other electric light & wiring equipment	11.4	11.4	11.0	0.0	0.4
366	Communication equipment	9.1	9.1	8.5	0.0	0.6
367	Electronic components & accessories	37.3	37.2	34.5	0.1	2.8
3674	Semiconductors & related devices	12.6	12.5	11.0	0.1	1.6
	Other electronic components & accessories	24.7	24.7	23.5	0.0	1.2
	Other electrical equipment & supplies	11.8	11.9	11.5	-0.1	0.3
37	Transportation equipment	83.0	88.1	84.3	-5.1	-1.3
371	Motor vehicles & equipment	26.3	31.1	31.9	-4.8	-5.6
3714	Motor vehicle parts & accessories	11.9	12.4	13.0	-0.5	-1.1
	Other motor vehicles & equipment	14.4	18.7	18.9	-4.3	-4.5
372	Aircraft & parts	12.2	12.2	11.3	0.0	0.9
373	Ship & boat building & repairing	7.4	8.0	4.7	-0.6	2.7
374	Railroad equipment	24.4	24.4	23.6	0.0	0.8
	Other transportation equipment	12.7	12.4	12.8	0.3	-0.1
38	Instruments & related products	43.0	42.8	41.7	0.2	1.3
382	Measuring & controlling devices	23.8	23.6	22.7	0.2	1.1
384	Medical instruments & supplies	11.6	11.6	11.7	0.0	-0.1
	Other instruments & related products	7.6	7.6	7.3	0.0	0.3
39	Miscellaneous manufacturing industries	25.6	25.9	25.9	-0.3	-0.3
	TOTAL NONDURABLE GOODS	524.5	530.7	534.7	-6.2	-10.2
20	Food & kindred products	96.6	102.1	99.1	-5.5	-2.5
201	Meat products	16.4	16.9	16.0	-0.5	0.4
2011	Meat packing plants	5.4	5.4	5.3	0.0	0.1
2013	Sausages & other prepared meats	5.4	6.0	5.7	-0.6	-0.3
2016,7	Poultry dressing & processing	5.6	5.5	5.0	0.1	0.6
202	Dairy products	11.1	11.4	11.6	-0.3	-0.5
2026	Fluid milk	6.6	6.7	6.8	-0.1	-0.2
	Other dairy products	4.5	4.7	4.8	-0.2	-0.3
203	Preserved fruits & vegetables	11.2	14.3	13.2	-3.1	-2.0
2033	Canned fruits & vegetables	6.1	6.7	5.7	-0.6	0.4
	Other preserved fruits & vegetables	5.1	7.6	7.5	-2.5	-2.4
204	Grain mill products	5.1	5.1	4.9	0.0	0.2
205	Bakery products	19.0	20.0	19.6	-1.0	-0.6
2051	Bread, cake & related products	14.8	15.1	15.0	-0.3	-0.2
2052	Cookies & crackers	4.2	4.9	4.6	-0.7	-0.4
206	Sugar & confectionery products	16.1	15.9	15.9	0.2	0.2
2065	Confectionery products	6.5	6.4	6.6	0.1	-0.1
2066	Chocolate & cocoa products	6.5	6.4	6.0	0.1	0.5
	Other sugar products	3.1	3.1	3.3	0.0	-0.2
208	Beverages	9.5	9.9	9.6	-0.4	-0.1
	Other food & kindred products	8.2	8.6	8.3	-0.4	-0.1
21	Tobacco manufacturers	3.2	3.2	3.8	0.0	-0.6
22	Textile mill products	46.8	47.5	48.9	-0.7	-2.1
222	Weaving mills, synthetics	4.5	4.5	4.5	0.0	0.0
225	Knitting mills	23.5	24.0	24.5	-0.5	-1.0
2253	Knit outerwear mills	12.0	12.3	12.9	-0.3	-0.9
2254	Knit underwear mills	4.8	4.8	5.0	0.0	-0.2
	Other knitting mills	6.7	6.9	6.6	-0.2	0.1
227	Floor covering mills	3.7	3.8	4.1	-0.1	-0.4
228	Yarn & thread mills	4.8	4.9	5.3	-0.1	-0.5
	Other textile mill products	10.3	10.3	10.5	0.0	-0.2

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

(concl.)

Industry Detail

(Thousands)

SIC	Industry	Total – All Employees			Net Change From –	
23	Apparel & other textile products	123.5	122.5	131.1	1.0	-7.6
231	Mens & boys suits & coats	14.8	15.1	15.3	-0.3	-0.5
232	Mens & boys furnishings	24.3	24.3	24.8	0.0	-0.5
2321	Mens & boys shirts & nightwear	9.1	9.1	9.3	0.0	-0.2
2327	Mens & boys separate trousers	6.0	6.0	6.2	0.0	-0.2
	Other furnishings and work clothing	9.2	9.2	9.3	0.0	-0.1
233	Womens & misses outerwear	55.7	54.3	61.3	1.4	-5.6
234	Women & childrens undergarments	9.6	9.8	10.1	-0.2	-0.5
236	Childrens outerwear	7.2	7.1	7.5	0.1	-0.3
	Other apparel & textile products	11.9	11.9	12.1	0.0	-0.2
26	Paper & allied products	43.6	43.8	44.7	-0.2	-1.1
262	Paper mills exc. building paper	11.8	11.8	12.1	0.0	-0.3
265	Paper board containers & boxes	14.9	15.0	15.4	-0.1	-0.5
2653	Corrugated & solid fiber boxes	8.0	8.0	8.1	0.0	-0.1
	Other paperboard containers	6.9	7.0	7.3	-0.1	-0.4
	Other paper & allied products	16.9	17.0	17.2	-0.1	-0.3
27	Printing & publishing	73.4	73.5	71.6	-0.1	1.8
271	Newspapers	25.9	26.2	25.6	-0.3	0.3
273	Books	8.1	7.9	8.0	0.2	0.1
275	Commercial printing	20.9	20.9	20.3	0.0	0.6
2752	Lithographing	10.4	10.4	9.9	0.0	0.5
	Other commercial printing	10.5	10.5	10.4	0.0	0.1
276	Manifold business forms	3.9	3.9	3.7	0.0	0.2
	Other printing & publishing	14.6	14.6	14.0	0.0	0.6
28	Chemicals & allied products	61.0	61.5	59.7	-0.5	1.3
281	Industrial inorganic chemicals	11.1	11.1	10.5	0.0	0.6
282	Plastic materials & synthetics	8.7	8.7	8.5	0.0	0.2
283	Drugs	17.1	17.3	16.8	-0.2	0.3
284	Soap, cleaners & toliet goods	3.1	3.2	3.2	-0.1	-0.1
285	Paints & allied products	4.3	4.4	4.4	-0.1	-0.1
	Other chemical & allied products	16.7	16.8	16.3	-0.1	0.4
29	Petroleum & coal products	16.9	17.1	16.6	-0.2	0.3
291	Petroleum refining	13.5	13.3	13.2	0.2	0.3
	Other petroleum & coal products	3.4	3.8	3.4	-0.4	0.0
30	Rubber & misc. plastic products	41.9	42.0	40.9	-0.1	1.0
301	Tires & inner tubes	7.7	7.8	7.9	-0.1	-0.2
306	Fabricated rubber products	5.3	5.4	5.3	-0.1	0.0
	Other rubber & plastic products, n.e.c.	28.9	28.8	27.7	0.1	1.2
31	Leather & leather products	17.6	17.5	18.3	0.1	-0.7
314	Footwear, exc. rubber	13.7	13.7	14.2	0.0	-0.5
3143	Mens footwear, exc. athletic	5.2	5.3	5.6	-0.1	-0.4
3144	Womens footwear, exc. athletic	4.7	4.6	4.8	0.1	-0.1
	Other footwear	3.8	3.8	3.8	0.0	0.0
	Other leather & leather products	3.9	3.8	4.1	0.1	-0.2

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES

Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979
TOTAL MANUFACTURING INDUSTRIES	$285.32	$291.34	$269.20	39.3	39.8	40.0	$7.26	$7.32	$6.73
TOTAL DURABLE GOODS	321.20	329.65	305.95	40.2	40.9	41.4	7.99	8.06	7.39
Lumber & wood products	199.50	200.64	194.22	37.5	38.0	39.0	5.32	5.28	4.98
Millwork, plywood & structural	208.62	216.22	205.71	38.0	39.1	40.1	5.49	5.53	5.13
Other lumber & wood products	195.08	193.13	188.16	37.3	37.5	38.4	5.23	5.15	4.90
Furniture & fixtures	236.61	239.20	211.97	39.9	40.0	39.4	5.93	5.98	5.38
Household furniture	211.18	214.88	193.61	39.4	39.5	38.8	5.36	5.44	4.99
Office furniture	244.10	247.79	237.51	38.2	38.9	40.6	6.39	6.37	5.85
Other furniture & fixtures	275.57	276.96	219.91	42.2	41.9	39.2	6.53	6.61	5.61
Stone, clay & glass products	307.87	311.33	286.86	42.7	42.3	42.0	7.21	7.36	6.83
Glass & glassware, pressed or blown	297.14	291.41	272.43	41.5	40.7	40.3	7.16	7.16	6.76
Glass containers	298.82	300.21	301.70	40.6	40.9	43.1	7.36	7.34	7.00
Other pressed or blown glass	295.95	281.99	236.26	42.4	40.4	36.8	6.98	6.98	6.42
Hydraulic cement	399.34	379.47	373.01	41.0	39.0	41.4	9.74	9.73	9.01
Structural clay products	276.87	272.72	241.02	42.4	41.7	39.0	6.53	6.54	6.18
Pottery & related products	276.64	269.45	275.12	41.6	41.2	45.4	6.65	6.54	6.06
Concrete, gypsum & plaster prods.	270.28	278.70	247.65	39.4	40.1	39.0	6.86	6.95	6.35
Other stone, clay & glass prods.	365.57	361.60	324.22	46.1	46.3	45.6	7.93	7.81	7.11
Primary metal industries	378.22	408.35	373.92	37.3	39.8	41.5	10.14	10.26	9.01
Blast furnace & basic steel prods.	399.53	438.31	399.78	35.8	39.1	41.3	11.16	11.21	9.68
Blast furnaces & steel mills	401.19	446.20	404.01	35.1	38.8	41.1	11.43	11.50	9.83
Other basic steel products	386.21	367.63	358.72	43.2	42.5	43.8	8.94	8.65	8.19
Iron & steel foundries	302.20	313.13	284.00	39.4	40.3	40.0	7.67	7.77	7.10
Gray iron foundries	300.98	296.74	285.89	40.4	40.1	40.9	7.45	7.40	6.99
Steel foundries, n.e.c.	303.38	312.44	284.40	39.4	39.6	38.8	7.70	7.89	7.33
Malleable iron & steel invest.	302.40	341.52	279.39	37.8	41.7	40.2	8.00	8.19	6.95
Nonferrous rolling & drawing	345.90	331.89	312.63	43.4	41.8	43.3	7.97	7.94	7.22
Nonferrous foundries	302.47	304.29	283.40	43.9	44.1	43.6	6.89	6.90	6.50
Other primary metal products	314.81	331.93	317.96	42.6	42.5	44.1	7.39	7.81	7.21
Fabricated metal prods., incl. ordn.	301.43	304.79	278.94	40.9	41.3	40.9	7.37	7.38	6.82
Metal cans & shipping containers	363.70	363.88	347.14	44.3	44.0	45.2	8.21	8.27	7.68
Cutlery, hand tools & hardware	241.16	243.39	214.33	39.6	39.9	37.8	6.09	6.10	5.67
Plumbing & heating exc. electrical	296.35	304.36	248.68	44.1	45.7	40.7	6.72	6.66	6.11
Fabricated structural metal prods.	293.15	297.67	260.74	41.0	41.4	40.3	7.15	7.19	6.47
Fabricated struct. metal	288.46	288.36	281.92	35.7	35.6	38.2	8.08	8.10	7.38
Fab. plate work (boiler shops)	316.36	325.97	272.41	44.0	44.9	42.3	7.19	7.26	6.44
Other fab. struct. metal prods.	279.89	285.18	242.00	41.9	42.5	40.2	6.68	6.71	6.02
Screw machine products, bolts, etc.	269.79	280.30	255.00	39.5	41.1	40.8	6.83	6.82	6.25
Metal forgings & stampings	265.89	359.30	344.01	40.7	40.1	41.8	8.99	8.96	8.23
Iron & steel forgings	344.99	325.50	309.10	44.4	42.0	42.4	7.77	7.75	7.29
Other metal forgings & stampings	373.51	370.91	355.26	39.4	39.5	41.6	9.48	9.39	8.54
Metal services & ordnance, n.e.c.	295.31	286.37	248.96	43.3	42.3	38.9	6.82	6.77	6.40
Misc. fabricated metal products	279.30	290.34	273.07	39.9	41.3	41.5	7.00	7.03	6.58
Valves & pipe fittings	290.54	301.18	271.92	39.8	41.6	41.2	7.30	7.24	6.60
Other misc. fab. metal products	270.52	282.36	274.63	39.9	41.1	41.8	6.78	6.87	6.57
Machinery, exc. electrical	329.80	327.76	302.74	42.5	42.9	42.4	7.76	7.64	7.14
Engines & turbines	281.60	295.37	294.47	37.9	39.7	41.3	7.43	7.44	7.13
Farm & garden machinery	423.80	421.14	367.20	49.8	48.8	48.0	8.51	8.63	7.65
Construction & related machinery	328.25	308.37	320.63	39.5	40.1	42.3	8.31	7.69	7.58
Construction machinery	340.56	252.76	336.23	38.7	35.6	42.4	8.80	7.10	7.93
Conveyors & conveying equipment	277.01	290.17	238.20	39.8	41.1	39.7	6.96	7.06	6.00
Other constr. & related mach.	325.22	340.47	317.80	40.2	42.4	42.6	8.09	8.03	7.46
Metal working machinery	337.33	320.40	303.89	41.8	39.9	40.9	8.07	8.03	7.43
Special industry machinery	322.58	331.13	292.58	42.5	43.8	41.5	7.59	7.56	7.05
General industrial machinery	350.49	356.96	309.40	45.4	46.0	43.7	7.72	7.76	7.08
Pumps & pumping equipment	309.26	330.79	279.07	41.4	42.3	40.8	7.47	7.82	6.84
Ball & roller bearings	341.67	346.71	309.58	45.8	45.8	42.7	7.46	7.57	7.25
Air & gas compressors	402.12	418.78	328.98	49.4	50.7	46.4	8.14	8.26	7.09
Industrial furnaces & ovens	301.80	299.10	288.77	39.4	39.2	40.5	7.66	7.63	7.13
Other general industrial mach.	357.44	358.49	314.17	46.3	46.8	44.5	7.72	7.66	7.06
Office and computing machines	349.71	355.39	338.69	44.1	45.1	44.8	7.93	7.88	7.56
Refrigeration & serv. ind. mach.	255.17	284.71	226.38	39.5	43.6	38.5	6.46	6.53	5.88
Misc. machinery, exc. electrical	318.20	307.86	290.35	43.0	42.0	43.4	7.40	7.33	6.69

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
(cont.)

Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979
Electrical & electronic equipment	$279.97	$280.95	$259.84	40.4	40.6	40.6	$6.93	$6.92	$6.40
Electric distributing equipment	308.33	329.33	304.71	40.2	41.9	40.9	7.67	7.86	7.45
Transformers	305.52	301.15	298.63	40.9	40.1	42.6	7.47	7.51	7.01
Switchgear & switchbrd apparatus	309.25	343.68	307.97	39.8	42.8	40.1	7.77	8.03	7.68
Electrical industrial apparatus	276.50	277.80	267.60	39.5	39.8	40.0	7.00	6.98	6.69
Household appliances	232.83	232.13	241.78	33.5	33.4	36.8	6.95	6.95	6.57
Electric lighting & wiring equip.	269.98	275.84	241.40	41.6	42.7	40.3	6.49	6.46	5.99
Current-carrying wiring devices	282.53	305.79	246.23	43.2	46.9	40.3	6.54	6.52	6.11
Other elect lght & wirng equip.	261.87	257.44	240.94	40.6	40.1	40.7	6.45	6.42	5.92
Communication equipment	325.44	328.92	301.27	41.3	41.9	43.1	7.88	7.85	6.99
Electronic components & access.	286.44	279.86	250.14	42.0	41.4	41.9	6.82	6.76	5.97
Semiconductors & related devices	382.13	378.00	313.42	45.6	45.0	42.7	8.38	8.40	7.34
Other electronic comp.& access.	239.19	233.44	227.56	40.2	39.7	41.6	5.95	5.88	5.35
Other electrical equip. & supplies	240.96	234.68	229.10	37.3	36.9	38.7	6.46	6.36	5.92
Transportation equipment	354.35	349.61	345.06	41.3	40.7	42.6	8.58	8.59	8.10
Motor vehicles & equipment	352.54	346.53	383.69	39.7	39.2	43.9	8.88	8.84	8.74
Motor vehicle parts & access.	366.33	354.42	405.79	40.3	39.6	45.8	9.09	8.95	8.86
Other motor vehicles & equip.	339.86	340.76	366.34	39.2	38.9	42.4	8.67	8.76	8.64
Aircraft & parts	365.08	370.64	320.88	42.9	42.7	42.5	8.51	8.68	7.55
Ship & boat building & repairing	327.89	334.59	312.08	41.4	42.3	41.5	7.92	7.91	7.52
Railroad equipment	371.39	364.29	333.33	40.5	39.9	40.6	9.17	9.13	8.21
Other transportation equipment	319.44	303.97	287.76	45.7	43.8	44.0	6.99	6.94	6.54
Instruments & related products	276.30	274.55	254.59	41.3	41.1	40.8	6.69	6.68	6.24
Measuring & controlling devices	303.70	288.96	273.37	43.2	42.0	41.8	7.03	6.88	6.54
Medical instruments & supplies	235.46	251.46	222.95	38.6	39.6	39.6	6.10	6.35	5.63
Other instruments & related prods.	249.70	263.0[illegible]	246.14	39.2	40.4	39.7	6.37	6.51	6.20
Misc. manufacturing industries	281.52	260.83	254.97	41.4	39.7	40.6	6.80	6.57	6.28
TOTAL NONDURABLE GOODS	228.31	231.87	212.81	37.8	38.2	37.8	6.04	6.07	5.63
Food & kindred products	259.60	266.18	243.01	40.0	40.7	40.1	6.49	6.54	6.06
Meat products	277.34	285.71	252.76	42.8	42.9	41.3	6.48	6.66	6.12
Meat packing plants	303.40	325.94	293.51	39.3	43.0	43.1	7.72	7.58	6.81
Sausages & other prepared meats	301.43	317.14	278.95	39.3	40.4	39.4	7.67	7.85	7.08
Poultry dressing & processing	235.22	218.32	186.68	48.7	45.2	41.3	4.83	4.83	4.52
Dairy products	284.66	282.24	258.75	41.8	42.0	41.6	6.81	6.72	6.22
Fluid milk	287.29	284.38	259.58	41.1	40.8	41.8	6.99	6.97	6.21
Other dairy products	282.81	280.14	257.51	42.4	42.9	41.4	6.67	6.53	6.22
Preserved fruits & vegetables	193.49	223.69	185.40	35.7	38.7	36.0	5.42	5.78	5.15
Canned fruits & vegetables	169.58	170.50	152.95	35.7	36.2	35.0	4.75	4.71	4.37
Other preserved fruits & vegs.	227.13	277.28	217.34	35.6	41.2	36.9	6.38	6.73	5.89
Grain mill products	304.78	299.90	274.39	44.3	42.6	41.7	6.88	7.04	6.58
Bakery products	252.73	248.69	240.73	39.8	39.6	39.4	6.35	6.28	6.11
Bread, cake & related products	248.57	244.22	233.43	38.3	38.1	39.1	6.49	6.41	5.97
Cookies & crackers	262.91	259.63	259.45	43.6	43.2	40.1	6.03	6.01	6.47
Sugar & confectionery products	254.48	258.32	251.93	37.7	38.1	40.7	6.75	6.78	6.19
Confectionery products	213.22	203.23	224.78	36.2	35.1	40.5	5.89	5.79	5.55
Chocolate & cocoa products	281.56	287.74	268.77	39.6	40.3	41.8	7.11	7.14	6.43
Other sugar products	296.91	337.84	282.12	37.3	41.1	38.7	7.96	8.22	7.29
Beverages	314.02	353.50	302.63	39.4	42.9	41.4	7.97	8.24	7.31
Other food & kindred products	235.57	246.65	230.23	41.4	43.5	42.4	5.69	5.67	5.43
Tobacco manufacturers	169.92	171.00	147.00	39.7	39.4	37.5	4.28	4.34	3.92
Textile mill products	191.12	186.73	174.72	38.3	38.5	38.4	4.99	4.85	4.55
Weaving mills, snythetics	223.59	231.24	184.40	44.1	45.7	40.0	5.07	5.06	4.61
Knitting mills	177.03	168.73	160.45	36.5	36.6	36.8	4.85	4.61	4.36
Knit outerwear mills	173.88	167.16	155.81	36.3	36.9	35.9	4.79	4.53	4.34
Knit underwear mills	156.38	140.34	150.55	35.3	33.1	36.9	4.43	4.24	4.08
Other knitting mills	198.45	191.62	179.26	37.8	38.4	38.8	5.25	4.99	4.62
Floor covering mills	224.44	221.09	232.40	38.3	37.6	42.8	5.86	5.88	5.43
Yarn & thread mills	170.48	170.40	161.70	36.9	37.7	38.5	4.62	4.52	4.20
Other textile mill products	209.79	211.25	195.05	40.5	41.1	40.3	5.18	5.14	4.84

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES

(concl.)

Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1980	Dec. 1978	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979
Apparel & other textile products	$148.62	$147.23	$140.28	32.1	31.8	32.7	$4.63	$4.63	$4.29
Mens & boys suits & coats	209.35	206.02	192.77	36.6	36.4	36.1	5.72	5.66	5.34
Mens & boys furnishings	154.80	153.56	144.82	34.4	34.9	34.4	4.50	4.40	4.21
Mens & boys shirts & nightwear	148.82	150.77	144.84	33.9	34.5	34.9	4.39	4.37	4.15
Mens & boys separate trousers	173.74	168.17	147.23	34.2	33.3	31.8	5.08	5.05	4.63
Other furnishings & wrk. clothng	147.28	147.78	142.76	34.9	36.4	35.6	4.22	4.06	4.01
Womens & misses outerwear	137.51	132.99	131.21	29.7	28.6	30.8	4.63	4.65	4.26
Women & childrens undergarments	127.19	123.65	125.83	32.2	32.2	34.1	3.95	3.84	3.69
Childrens outerwear	135.73	139.39	127.72	29.7	30.5	33.7	4.57	4.57	3.79
Other apparel & textile products	143.76	145.86	129.77	33.2	34.0	32.2	4.33	4.29	4.03
Paper & allied products	307.13	310.30	283.08	45.1	45.7	44.3	6.81	6.79	6.39
Paper mills exc. building paper	396.40	400.82	355.09	48.4	49.0	46.6	8.19	8.18	7.62
Paper board containers & boxes	283.18	297.65	255.43	41.4	43.2	41.0	6.84	6.89	6.23
Corrugated & solid fiber boxes	283.54	293.13	268.23	39.6	40.6	39.1	7.16	7.22	6.86
Other paperboard containers	282.10	302.02	242.95	43.4	45.9	43.0	6.50	6.58	5.65
Other paper & allied products	279.73	274.82	268.88	46.7	46.5	46.2	5.99	5.91	5.82
Printing & publishing	280.87	291.39	254.51	37.7	38.8	36.1	7.45	7.51	7.05
Newspapers	283.27	296.76	265.79	32.3	33.8	33.1	8.77	8.78	8.03
Books	235.25	230.51	205.20	37.7	37.0	36.0	6.24	6.23	5.70
Commercial printing	299.20	321.99	269.00	40.0	42.2	36.9	7.48	7.63	7.29
Lithographing	288.41	298.34	250.28	39.4	40.1	35.4	7.32	7.44	7.07
Other commercial printing	309.37	344.32	286.10	40.6	44.2	38.3	7.62	7.79	7.47
Manifold business forms	294.28	312.44	276.89	41.1	42.8	40.6	7.16	7.30	6.82
Other printing & publishing	277.36	275.58	245.95	38.9	39.2	36.6	7.13	7.03	6.72
Chemicals & allied products	304.38	302.32	288.49	41.3	41.3	42.3	7.37	7.32	6.82
Industrial inorganic chemicals	335.53	329.69	318.77	44.5	43.9	45.8	7.54	7.51	6.96
Plastic materials & synthetics	300.80	307.22	269.47	40.0	40.8	40.4	7.52	7.53	6.67
Drugs	282.72	287.25	279.70	38.0	38.3	39.9	7.44	7.50	7.01
Soap, cleaners & toliet goods	287.47	291.66	267.25	44.5	45.5	44.1	6.46	6.41	6.06
Paints & allied products	270.89	276.31	270.03	38.1	39.7	41.8	7.11	6.96	6.46
Other chemical & allied products	318.82	306.25	296.27	43.2	42.3	43.0	7.38	7.24	6.89
Petroleum & coal products	368.34	394.55	381.74	40.3	42.7	42.7	9.14	9.24	8.94
Petroleum refining	380.39	414.07	398.27	39.5	42.6	42.1	9.63	9.72	9.46
Other petroleum & coal products	315.59	317.39	319.56	44.2	43.3	45.2	7.14	7.33	7.07
Rubber & misc. plastic products	243.61	239.34	236.33	40.2	39.3	41.1	6.06	6.09	5.75
Tires & inner tubes	393.47	378.90	378.42	46.4	45.0	47.6	8.48	8.42	7.95
Fabricated rubber products	277.30	284.00	260.65	42.4	44.1	42.8	6.54	6.44	6.09
Other rubber & plastic prods.,nec	202.75	196.88	195.61	38.4	37.5	39.2	5.28	5.25	4.99
Leather & leather products	170.31	164.55	148.30	39.7	38.9	36.8	4.29	4.23	4.03
Footwear, exc. rubber	158.59	153.18	133.41	38.4	38.2	35.2	4.13	4.01	3.79
Mens footwear, exc. athletic	173.40	171.81	145.92	40.8	41.5	38.2	4.25	4.14	3.82
Womens footwear, exc. athletic	152.38	145.45	124.36	38.0	37.2	32.9	4.01	3.91	3.78
Other footwear	144.38	139.79	128.93	35.3	35.3	34.2	4.09	3.96	3.77
Other leather & leather products	211.68	214.86	199.66	44.1	44.3	42.3	4.80	4.85	4.72
SELECTED NONMANUFACTURING INDUSTRIES									
Anthracite Mining	375.19	370.63	325.61	48.6	47.7	42.9	7.72	7.77	7.59
Bituminous coal & lignite mining	381.54	367.82	350.09	35.1	33.9	34.8	10.87	10.85	10.06
Nonmetallic minerals, exc. fuels	308.35	326.49	297.08	41.5	44.3	42.5	7.43	7.37	6.99
Communication	346.46	353.63	324.41	40.1	40.6	40.2	8.64	8.71	8.07
Electric, gas, & sanitary services	399.61	400.06	379.62	44.9	44.9	44.4	8.90	8.91	8.55
Electric services	417.66	409.84	394.33	47.3	47.0	47.0	8.83	8.72	8.39
Gas production & distribution	343.31	354.75	323.29	42.7	43.0	41.5	8.04	8.25	7.79
General merchandise stores	124.98	131.16	115.87	25.3	28.7	25.3	4.94	4.57	4.58
Banking	178.39	176.98	160.70	INA	INA	INA	INA	INA	INA
Insurance carriers	211.91	212.38	199.56	INA	INA	INA	INA	INA	INA
Life insurance	196.97	198.91	183.98	INA	INA	INA	INA	INA	INA
Fire, marine & casualty ins.	211.77	211.81	201.30	INA	INA	INA	INA	INA	INA

TABLE 7. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS IN SELECTED MANUFACTURING GROUPS

Industry Detail

Year and Month	All Manufacturing			All Durable Goods			All Nondurable Goods			Primary Metals		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$154.42	39.8	$3.88	$172.61	41.0	$4.21	$130.60	38.3	$3.41	$191.83	40.3	$4.76
1973	167.23	40.2	4.16	187.17	41.5	4.51	139.03	38.3	3.63	212.38	41.4	5.13
1974	180.97	39.6	4.57	203.45	41.1	4.95	146.59	37.3	3.93	239.61	41.1	5.83
1975	193.22	38.8	4.98	217.60	40.0	5.44	159.22	37.2	4.28	253.37	39.1	6.48
1976	210.11	39.2	5.36	236.16	40.3	5.86	172.58	37.6	4.59	279.89	39.7	7.05
1977	231.08	39.5	5.85	260.48	40.7	6.40	188.62	37.8	4.99	308.07	39.7	7.76
1978	254.80	40.0	6.37	289.10	41.3	7.00	204.60	38.1	5.37	356.10	41.6	8.56
1979 Jan	269.20	40.0	6.73	305.95	41.4	7.39	212.81	37.8	5.63	373.92	41.5	9.01
Feb	271.32	39.9	6.80	308.92	41.3	7.48	212.06	37.6	5.64	384.14	41.8	9.19
Mar	274.44	40.3	6.81	313.50	41.8	7.50	215.65	38.1	5.66	387.74	42.1	9.21
Apr	265.30	38.9	6.82	301.50	40.2	7.50	209.59	36.9	5.68	396.68	42.2	9.40
May	273.14	39.7	6.88	311.54	41.1	7.58	215.27	37.7	5.71	387.39	41.3	9.38
Jun	278.29	40.1	6.94	316.30	41.4	7.64	218.12	38.0	5.74	397.00	42.1	9.43
Jul	277.31	39.9	6.95	313.65	41.0	7.65	221.37	38.3	5.78	397.00	42.1	9.43
Aug	279.49	39.7	7.04	317.79	40.9	7.77	221.92	38.0	5.84	399.75	41.0	9.75
Sep	285.51	40.1	7.12	323.42	41.2	7.85	225.00	38.2	5.89	407.12	41.5	9.81
Oct	284.57	39.8	7.15	323.05	41.1	7.86	224.37	37.9	5.92	397.39	40.8	9.74
Nov	294.19	40.3	7.30	334.88	41.6	8.05	230.78	38.4	6.01	425.60	41.2	10.33
Dec	291.34	39.8	7.32	329.65	40.9	8.06	231.87	38.2	6.07	408.35	39.8	10.26
1980 Jan	285.32	39.3	7.26	321.20	40.2	7.99	228.31	37.8	6.04	378.22	37.3	10.14

Year and Month	Fabricated Metal Products			Machinery Except Electrical			Electric & Electronic Equip.			Transportation Equipment		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$168.47	41.7	$4.04	$183.17	42.4	$4.32	$161.57	40.8	$3.96	$180.59	40.4	$4.47
1973	182.68	41.9	4.36	198.77	43.4	4.58	167.69	40.8	4.11	197.69	41.1	4.81
1974	196.24	41.4	4.74	209.78	42.9	4.89	175.96	39.9	4.41	215.54	40.9	5.27
1975	208.17	40.5	5.14	222.14	41.6	5.34	191.84	39.8	4.82	234.61	39.9	5.88
1976	223.01	40.4	5.52	241.60	41.8	5.78	206.96	40.5	5.11	254.23	40.1	6.34
1977	246.64	40.7	6.06	262.92	42.0	6.26	225.74	40.6	5.56	289.26	41.8	6.92
1978	264.71	40.6	6.52	291.13	42.5	6.85	247.25	40.6	6.09	315.59	41.8	7.55
1979 Jan	278.94	40.9	6.82	302.74	42.4	7.14	259.84	40.6	6.40	345.06	42.6	8.10
Feb	281.11	40.8	6.89	306.00	42.5	7.20	260.58	40.4	6.45	339.81	41.9	8.11
Mar	287.04	41.3	6.95	310.17	42.9	7.23	264.68	41.1	6.44	341.88	42.0	8.14
Apr	261.23	38.7	6.75	286.63	40.2	7.13	250.63	39.1	6.41	311.65	39.4	7.91
May	288.23	41.0	7.03	303.47	41.8	7.26	261.55	40.3	6.49	333.33	41.0	8.13
Jun	288.36	40.5	7.12	309.33	42.2	7.33	264.31	40.6	6.51	334.15	41.0	8.15
Jul	282.80	40.0	7.07	303.99	41.7	7.29	259.24	39.7	6.53	334.55	40.7	8.22
Aug	283.60	40.0	7.09	312.28	42.2	7.40	257.90	39.8	6.48	341.04	40.6	8.40
Sep	286.80	40.0	7.17	318.33	42.5	7.49	271.62	40.3	6.74	350.26	41.5	8.44
Oct	292.66	40.2	7.28	321.73	42.5	7.57	273.91	40.4	6.78	355.28	41.7	8.52
Nov	299.30	41.0	7.30	329.84	43.4	7.60	283.73	41.3	6.87	349.76	41.1	8.51
Dec	304.79	41.3	7.38	327.76	42.9	7.64	280.95	40.6	6.92	349.61	40.7	8.59
1980 Jan	301.43	40.9	7.37	329.80	42.5	7.76	279.97	40.4	6.93	354.35	41.3	8.58

Year and Month	Food Products			Textile Products			Apparel and Related Products			Printing and Publishing		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$149.48	40.4	$3.70	$113.08	39.4	$2.87	$ 94.24	33.9	$2.78	$170.33	38.8	$4.39
1973	158.36	40.5	3.91	120.43	39.1	3.08	99.71	33.8	2.95	180.81	38.8	4.66
1974	171.68	40.3	4.26	124.74	37.8	3.30	103.02	32.6	3.16	189.52	38.0	4.99
1975	187.80	40.3	4.66	132.42	37.3	3.55	109.20	32.5	3.36	204.58	37.4	5.47
1976	204.22	40.2	5.08	142.12	38.0	3.74	119.55	33.3	3.59	218.82	36.9	5.93
1977	219.89	40.2	5.47	154.37	38.4	4.02	125.95	32.8	3.84	238.52	37.8	6.31
1978	239.95	40.6	5.91	166.12	38.1	4.36	138.28	33.4	4.14	245.95	36.6	6.72
1979 Jan	243.01	40.1	6.06	174.72	38.4	4.55	140.28	32.7	4.29	254.51	36.1	7.05
Feb	240.34	39.4	6.10	171.00	37.5	4.56	141.57	33.0	4.29	252.74	35.9	7.04
Mar	247.02	40.1	6.16	178.87	38.8	4.61	140.91	33.0	4.27	258.09	36.3	7.11
Apr	242.09	39.3	6.16	173.58	37.9	4.58	137.03	31.5	4.35	245.70	35.1	7.00
May	248.00	40.0	6.20	180.11	38.9	4.63	139.54	32.3	4.32	254.54	35.8	7.11
Jun	248.58	39.9	6.23	182.82	39.4	4.64	143.77	32.9	4.37	256.68	36.0	7.13
Jul	253.49	40.3	6.29	178.31	38.1	4.68	145.25	33.7	4.31	265.27	37.1	7.15
Aug	256.07	40.2	6.37	180.01	38.3	4.70	142.79	32.6	4.38	266.35	37.2	7.16
Sep	256.14	40.4	6.34	181.93	38.3	4.75	146.17	32.7	4.47	268.93	37.3	7.21
Oct	248.77	39.3	6.33	185.85	38.8	4.79	148.98	32.6	4.57	265.70	36.8	7.22
Nov	261.06	40.6	6.43	188.37	39.0	4.83	149.77	32.7	4.58	276.77	37.3	7.42
Dec	266.18	40.7	6.54	186.73	38.5	4.85	147.23	31.8	4.63	291.39	38.8	7.51
1980 Jan	259.60	40.0	6.49	191.12	38.3	4.99	148.62	32.1	4.63	280.87	37.7	7.45

TABLES 8 & 9. ACTUAL AND REAL GROSS EARNINGS OF MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA

(1967 = 100)

Annual Averages

Year	Weekly Earnings (1)	Weekly Hours (2)	Hourly Earnings (3)	Hourly Earnings Index (4)	U.S. Consumer Price Index (5)	Real Weekly Earnings (6)	Losses Due To Inflation
1968	$119.20	40.0	$2.98	105.6	104.2	$114.40	$ 4.80
1969	127.52	40.1	3.18	112.7	109.8	116.14	11.38
1970	131.71	39.2	3.36	119.1	116.3	113.25	18.46
1971	140.73	39.2	3.59	127.3	121.3	116.02	24.71
1972	154.42	39.8	3.88	137.6	125.3	123.24	31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33

Real Earnings are computed by adjusting current earnings for changes in The Consumer Price Index (Col 1 ÷ Col. 5)

TABLE 10. EMPLOYMENT, PAYROLLS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS

(Thousands)

Industry	Employment			Weekly Manhours Worked			Weekly Payrolls		
	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979
MANUFACTURING	990.8	983.4	995.0	38,933.3	39,171.8	39,779.4	282,625.8	286,648.7	267,769.7
DURABLE GOODS	605.0	601.2	602.0	24,339.5	24,582.7	24,916.5	194,425.5	198,055.6	184,043.5
NONDUR. GOODS	385.8	382.2	393.0	14,593.8	14,589.1	14,862.9	88,200.3	88,593.1	83,726.2

NOTATION

Resident Data are an estimate of WORKERS by place of residence and include wage and salary workers, self-employed and unpaid family workers, domestic workers, agricultural workers and persons involved in labor-management disputes. These data are derived from the National Current Population Survey (CPS) and do not reflect commuting or dual job holding. Consequently, they are not comparable to establishment based Nonagricultural Wage and Salary data.

Establishment Data are estimates of JOBS by place of work.

Labor-management disputes

Persons involved in labor-management disputes are included in RESIDENT employment counts. They are not included in ESTABLISHMENT data nor are they counted as labor turnover actions. Wherever indicated (#), however, they are added to the Nonagricultural Wage and Salary total to show more accurately the number of jobs held. An asterisk (*) denotes a total significantly affected by a labor-management dispute.

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
Industry Group
(Thousands)

Year and Month	Total Manufacturing	Total Durable Goods	Lumber and Wood Products	Furniture and Fixtures	Stone Clay and Glass	Primary Metals	Fabricated Metals	Machinery Except Electrical
1973	1,480.1	884.7	24.6	23.8	68.3	220.8	126.1	137.2
1974	1,464.5	894.1	22.5	22.6	68.1	226.5	126.6	144.5
1975	1,334.8	813.0	18.7	18.0	60.5	205.5	114.1	141.3
1976	1,335.2	804.5	20.4	18.2	61.4	201.9	111.4	136.4
1977	1,341.5	809.3	21.2	18.9	62.3	199.6	111.3	134.6
1978	1,369.2	828.0	21.9	20.2	63.8	199.2	112.5	137.8
1979	1,389.8	853.9	22.5	20.4	65.0	203.2	116.0	142.5
1979 Jan.	1,374.7	840.0	21.4	20.4	63.6	200.9	116.0	140.0
Feb.	1,375.9	841.5	21.4	20.6	62.6	200.8	115.6	140.7
Mar.	1,381.9	845.8	22.2	20.2	64.2	201.6	115.5	140.9
Apr.	1,389.5	852.0	22.8	20.3	64.3	201.6	116.0	143.6
May	1,392.2	855.2	22.9	20.2	65.0	202.5	115.9	143.4
Jun.	1,409.8	866.4	23.2	20.3	67.1	207.1	116.6	144.6
Jul.	1,397.1	861.9	22.9	19.7	67.0	206.8	114.7	142.9
Aug.	1,390.4	852.0	23.1	20.5	66.4	207.1	116.1	141.1
Sep.	1,398.0	861.5	23.0	20.8	65.6	204.7	116.0	143.2
Oct.	1,394.6	860.0	22.8	20.9	65.0	202.5	116.3	144.0
Nov.	1,390.2	857.2	22.2	20.8	64.5	201.9	116.2	142.5
Dec.	1,383.7	853.0	21.7	20.3	64.6	200.7	116.6	143.4
1980 Jan.	1,369.8	845.3	21.8	20.3	62.2	198.6	115.5	146.4

Year and Month	Electrical Equipment and Supplies	Transportation Equipment	Instruments and Related Products	Misc. Manufacturing	Total Nondurable Goods	Food Products	Tobacco Products	Textile Products
1973	144.0	73.3	34.8	31.9	595.4	107.3	7.1	62.8
1974	144.7	72.6	36.1	30.0	570.4	104.0	6.6	58.5
1975	126.0	67.6	34.4	27.0	521.8	99.4	5.0	49.9
1976	124.2	67.1	35.5	28.1	530.7	100.2	4.0	50.4
1977	123.0	73.3	37.3	27.8	532.2	98.8	3.6	49.4
1978	123.9	81.8	40.3	26.6	541.2	99.7	4.0	50.6
1979	127.1	87.8	42.9	26.6	536.0	100.1	3.6	48.4
1979 Jan.	125.8	84.3	41.7	25.9	534.7	99.1	3.8	48.9
Feb.	125.7	85.8	42.3	26.0	534.4	97.6	3.8	49.1
Mar.	125.9	86.5	42.6	26.2	536.1	98.4	3.8	48.9
Apr.	127.0	86.9	43.0	26.5	537.5	98.7	3.7	48.9
May	128.8	87.1	43.1	26.3	537.0	98.0	3.7	48.6
Jun.	128.3	88.4	43.7	27.1	543.4	99.6	3.7	49.1
Jul.	129.1	88.5	43.4	26.9	535.2	99.9	3.6	47.6
Aug.	119.4	87.5	43.4	27.4	538.4	101.7	3.5	48.4
Sep.	128.9	89.4	42.8	27.1	536.5	102.2	3.4	48.2
Oct.	128.4	90.1	42.7	27.3	534.6	102.2	3.3	48.0
Nov.	129.2	90.4	42.8	26.7	533.0	101.4	3.3	48.1
Dec.	128.9	88.1	42.8	25.9	530.7	102.1	3.2	47.5
1980 Jan.	128.9	83.0	43.0	25.6	524.5	96.6	3.2	46.8

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA (concl.)

Industry Group
(Thousands)

Year and Month	Apparel and Related		Paper Products	Printing and Publishing	Chemical Products	Petroleum Refining & Related	Rubber and Plastic	Leather Products
	Total	Women's & Children's Outerwear						
1973	158.0	65.5	45.4	72.2	58.8	19.1	41.0	23.7
1974	148.2	63.0	44.4	69.8	58.6	18.2	40.9	21.3
1975	132.7	58.1	39.9	68.4	55.5	16.4	34.8	19.8
1976	137.2	60.2	42.4	67.6	56.7	16.4	34.9	21.0
1977	134.0	60.0	43.0	69.8	59.0	16.8	38.0	19.9
1978	135.2	61.0	44.4	71.1	59.9	17.3	39.9	19.2
1979	128.8	58.9	44.8	72.1	61.0	17.4	42.0	17.8
1979 Jan.	131.1	61.3	44.7	71.6	59.7	16.6	40.9	18.3
Feb.	132.5	61.8	44.5	71.3	60.0	16.3	41.1	18.2
Mar.	132.3	61.5	44.6	71.8	60.4	16.5	41.6	17.8
Apr.	132.5	61.6	44.8	71.7	60.6	17.2	41.6	17.8
May	131.5	60.5	44.5	72.0	60.9	17.6	42.2	18.0
Jun.	132.3	61.0	45.0	72.3	61.9	18.2	42.9	18.4
Jul.	127.1	57.9	45.1	72.2	62.0	18.1	42.6	17.0
Aug.	126.6	56.6	46.1	71.8	61.9	18.2	42.4	17.8
Sep.	126.5	57.0	45.4	71.7	61.2	17.9	42.4	17.6
Oct.	125.6	56.9	44.6	72.0	61.2	17.7	42.5	17.5
Nov.	124.6	56.5	44.2	72.8	61.1	17.8	42.3	17.4
Dec.	122.5	54.3	43.8	73.5	61.5	17.1	42.0	17.5
1980 Jan.	123.5	55.7	43.6	73.4	61.0	16.9	41.9	17.6

TABLE 12. SELECTED PENNSYLVANIA INDICES

(Not Adjusted)
1967 = 100

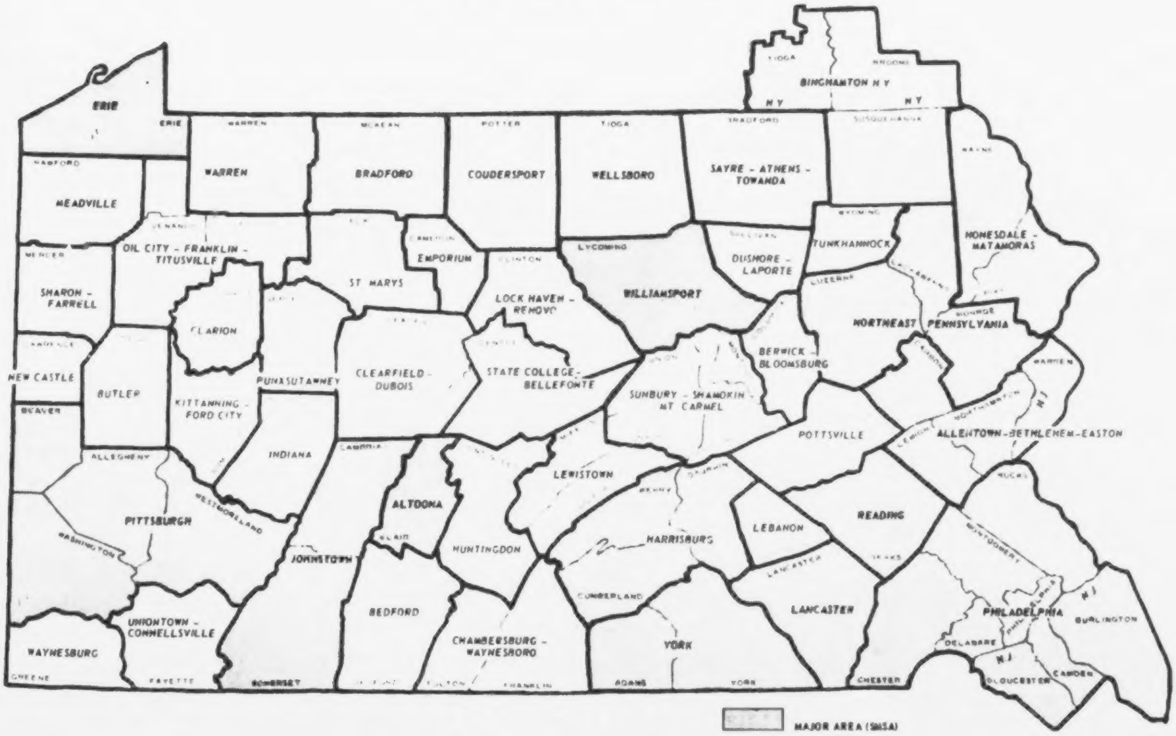
Industry Group	1980 Jan.	1979 Dec.	1979 Jan.	1978 Jan.	ANNUAL AVERAGE 1979	ANNUAL AVERAGE 1978
EMPLOYMENT						
All Manufacturing	88.0	88.5	88.3	86.0	89.3	87.9
Primary Metals	77.5	78.3	78.4	77.4	79.3	77.7
Apparel	68.8	66.3	73.0	72.8	71.7	75.3
All Nonmanufacturing	131.0	134.0	127.2	121.4	131.6	128.5
Construction	104.5	115.5	93.9	87.8	113.4	109.6
Retail Trade	128.6	134.4	129.2	125.7	130.9	131.0
Services	157.6	161.1	148.6	139.0	156.4	148.1
Government	127.8	128.4	125.9	125.3	127.4	127.8

Labor Market Areas of Pennsylvania

Pennsylvania consists of forty-five labor market areas, twelve of which are major or Standard Metropolitan Statistical Areas. Area names are based on major towns or cities in the areas.

This section provides a very limited presentation of data for selected labor market areas in Pennsylvania. More detailed information is available in Labor Market Letters published monthly in major labor market areas and for selected months in smaller labor market areas. These publications can be obtained from local employment security offices or by addressing requests to:

Office of Employment Security
Research and Statistics Divison
Labor Market Information Section
Labor and Industry Building - Room 1225
Harrisburg, Pennsylvania 17121


ERIE
WARREN
BRADFORD
COUDERSPORT
WELLSBORO
SAYRE - ATHENS - TOWANDA
BINGHAMTON N Y
N Y
MEADVILLE
OIL CITY - FRANKLIN - TITUSVILLE
EMPORIUM
ST MARYS
LOCK HAVEN - RENOVO
WILLIAMSPORT
DUSHORE - LAPORTE
TUNKHANNOCK
HONESDALE - MATAMORAS
SHARON - FARRELL
CLARION
NORTHEAST PENNSYLVANIA
BERWICK - BLOOMSBURG
NEW CASTLE
BUTLER
PUNXSUTAWNEY
CLEARFIELD - DUBOIS
STATE COLLEGE - BELLEFONTE
SUNBURY - SHAMOKIN - MT CARMEL
KITTANNING - FORD CITY
INDIANA
POTTSVILLE
ALLENTOWN - BETHLEHEM - EASTON
N J
LEWISTOWN
PITTSBURGH
ALTOONA
READING
LEBANON
HARRISBURG
JOHNSTOWN
HUNTINGDON
UNIONTOWN - CONNELLSVILLE
BEDFORD
LANCASTER
PHILADELPHIA
N J
BURLINGTON
WAYNESBURG
CHAMBERSBURG - WAYNESBORO
YORK
DELAWARE
GLOUCESTER
CAMDEN
CHESTER
MAJOR AREA (SMSA)

GEOGRAPHIC DESCRIPTION OF MAJOR LABOR MARKET AREAS

ALLENTOWN - BETHLEHEM - EASTON	Carbon, Lehigh, and Northampton Counties in Pennsylvania: Warren County in New Jersey
ALTOONA	Blair County
ERIE	Erie County
HARRISBURG	Cumberland, Dauphin, and Perry Counties
JOHNSTOWN	Cambria and Somerset Counties
LANCASTER	Lancaster County
NORTHEAST	Lackawanna (Scranton Area), Luzerne (Wilkes-Barre Area), and Monroe Counties
PHILADELPHIA	Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties in Pennsylvania: Burlington, Camden, and Gloucester Counties in New Jersey
PITTSBURGH	Allegheny, Beaver, Washington, and Westmoreland Counties
READING	Berks County
WILLIAMSPORT	Lycoming County
YORK	Adams and York Counties

TABLE 13. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRIES MAJOR LABOR MARKET AREAS

(Per 100 Employees)
DECEMBER 1979

Major Labor Market Area	Employment (Thousands)	Accession Rates								
		Total			New Hires			Recalls		
		Dec. 1979	Nov. 1979	Dec. 1978	Dec. 1979	Nov. 1979	Dec. 1978	Dec. 1979	Nov. 1979	Dec. 1978
PENNSYLVANIA	1,383.7	1.9	2.3	1.9	0.9	1.3	1.1	0.9	0.8	0.6
ALLENTOWN-BETHLEHEM-EASTON	110.9	1.2	2.1	1.2	0.8	1.3	0.6	0.3	0.5	0.4
ALTOONA	13.4	1.4	2.2	1.3	0.6	0.9	0.3	0.6	1.3	0.9
ERIE	43.9	1.3	1.6	1.7	0.5	0.9	1.1	0.5	0.4	0.4
HARRISBURG	43.6	2.1	2.0	1.9	1.2	1.4	1.1	0.5	0.4	0.7
JOHNSTOWN	20.3	1.5	2.5	1.7	0.5	0.5	0.8	1.0	2.0	0.9
LANCASTER	60.5	2.0	2.8	2.0	1.7	2.4	1.6	0.3	0.3	0.2
NORTHEAST	72.6	2.2	2.8	2.0	0.8	1.3	1.0	1.2	1.2	0.9
SCRANTON	28.3	1.6	2.2	1.5	0.9	1.2	0.8	0.6	1.0	0.6
WILKES-BARRE-HAZLETON	39.8	2.7	2.5	1.5	0.8	1.2	0.8	1.7	1.0	0.6
PHILADELPHIA	457.5	1.8	2.2	1.7	1.0	1.6	1.1	0.6	0.5	0.4
PITTSBURGH	253.0	2.0	2.0	1.9	0.5	0.7	0.6	1.3	1.0	1.1
READING	55.3	2.2	2.3	2.5	1.4	1.7	1.7	0.7	0.5	0.6
WILLIAMSPORT	17.0	1.0	1.3	1.9	0.3	0.7	0.8	0.5	0.5	1.0
YORK	65.1	2.1	2.7	2.7	1.6	2.2	2.1	0.4	0.5	0.4

Major Labor Market Area	Employment (Thousands)	Separation Rates								
		Total			Quits			Layoffs		
		Dec. 1979	Nov. 1979	Dec. 1978	Dec. 1979	Nov. 1979	Dec. 1978	Dec. 1979	Nov. 1979	Dec. 1978
PENNSYLVANIA	1,383.7	3.1	3.0	2.7	0.6	0.8	0.8	2.0	1.6	1.3
ALLENTOWN-BETHLEHEM-EASTON	110.9	2.6	2.7	2.1	0.5	0.7	0.7	1.7	1.7	1.0
ALTOONA	13.4	2.0	2.7	2.6	0.7	0.8	0.5	1.0	1.5	1.7
ERIE	43.9	3.3	2.7	3.8	0.5	0.6	0.7	2.3	1.5	2.5
HARRISBURG	43.6	3.6	2.6	3.4	1.1	1.0	1.0	1.8	1.1	1.8
JOHNSTOWN	20.3	1.9	2.3	1.8	0.4	0.5	0.8	1.2	1.6	0.6
LANCASTER	60.5	2.5	2.7	2.7	1.4	1.6	1.3	0.6	0.7	1.0
NORTHEAST	72.6	5.0	4.1	6.0	0.5	1.0	1.0	4.0	2.4	4.5
SCRANTON	28.3	4.0	2.5	5.2	0.3	0.8	1.2	3.3	1.4	3.7
WILKES-BARRE-HAZLETON	39.8	5.8	4.4	6.2	0.5	1.0	0.6	4.8	2.8	5.1
PHILADELPHIA	457.5	3.0	3.1	2.3	0.7	1.0	0.7	1.7	1.4	0.9
PITTSBURGH	253.0	3.9	2.2	2.5	0.3	0.4	0.4	3.1	1.3	1.4
READING	55.3	2.5	2.8	2.6	1.0	1.1	1.1	1.0	1.3	1.0
WILLIAMSPORT	17.0	1.2	2.1	1.4	0.3	0.3	0.6	0.6	1.4	0.5
YORK	65.1	2.8	3.5	4.7	1.0	1.8	1.8	1.4	1.2	2.3

TABLE 14. AVERAGE GROSS EARNINGS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS IN MAJOR LABOR MARKET AREAS

Major Labor Market Area	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1980	Dec. 1979	Jan. 1980	Jan. 1980	Dec. 1979	Jan. 1980	Jan. 1980	Dec. 1979	Jan. 1980
PENNSYLVANIA	$285.32	$291.34	$269.20	39.3	39.8	40.0	$7.26	$7.32	$6.73
ALLENTOWN-BETHLEHEM-EASTON	293.72	293.75	260.16	38.8	38.6	38.6	7.57	7.61	6.74
ALTOONA	251.70	245.94	225.61	39.7	39.1	38.5	6.34	6.29	5.86
ERIE	307.97	301.81	281.06	41.9	41.4	41.7	7.35	7.29	6.74
HARRISBURG	274.03	282.76	257.00	40.9	41.4	40.6	6.70	6.83	6.33
JOHNSTOWN	311.89	318.30	277.50	38.6	39.2	39.7	8.08	8.12	6.99
LANCASTER	260.94	262.48	237.58	40.9	41.4	40.2	6.38	6.34	5.91
NORTHEAST	213.18	211.31	190.11	37.4	37.4	36.7	5.70	5.65	5.18
SCRANTON	220.13	221.03	197.51	39.1	39.4	38.5	5.63	5.61	5.13
WILKES-BARRE-HAZLETON	206.85	202.78	183.74	36.1	35.7	35.2	5.73	5.68	5.22
PHILADELPHIA	289.84	296.93	272.68	40.2	40.9	40.1	7.21	7.26	6.80
PITTSBURGH	353.60	352.08	321.98	40.0	40.1	39.8	8.84	8.78	8.09
READING	266.47	269.30	239.23	38.9	39.2	38.4	6.85	6.87	6.23
WILLIAMSPORT	272.96	260.80	242.61	40.2	39.1	40.1	6.79	6.67	6.05
YORK	265.51	259.95	249.42	41.1	42.2	41.5	6.46	6.16	6.01

TABLE 15. RESIDENT EMPLOYMENT AND UNEMPLOYMENT
MAJOR LABOR MARKET AREAS

Area	Rate of Unemployment					
	Jan. 1980		Dec. 1979		Jan. 1979	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
UNITED STATES	6.8	6.2	5.6	5.9	6.4	5.8
PENNSYLVANIA	7.8	7.2	6.6	7.3	7.1	6.4
ALLENTOWN-BETH-EASTON	7.1	6.2	6.7	7.0	-	-
ALTOONA	9.6	8.6	8.4	8.4	9.0	8.0
ERIE	8.4	7.5	7.5	7.6	7.6	6.9
HARRISBURG	6.1	5.3	4.6	5.0	5.5	4.9
JOHNSTOWN	10.2	8.9	8.9	9.0	9.3	8.0
LANCASTER	5.2	4.3	4.2	4.5	4.8	4.0
NORTHEAST	10.4	9.1	9.2	9.0	9.3	8.2
SCRANTON	9.4	8.5	8.5	8.1	9.0	8.1
W BARRE-HAZLETON	11.0	9.6	9.6	9.8	9.6	8.2
PHILADELPHIA	6.5	6.4	5.9	6.6	-	-
PITTSBURGH	7.4	6.6	5.7	5.9	6.3	5.6
POTTSVILLE	10.6	-	10.6	-	9.3	-
READING	6.7	6.2	5.2	6.5	5.5	5.1
UNIONTOWN-CONNELLSVLE	13.6	-	9.8	-	10.6	-
WILLIAMSPORT	12.0	10.9	11.0	11.3	8.5	7.8
YORK	7.0	6.3	5.0	5.3	5.3	4.7

(Thousands)

Area	Total Civilian Labor Force			Total Employment			Total Unemployment		
	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979
UNITED STATES	103,188.0	103,884.0	100,867.0	96,145.0	98,047.0	94,436.0	7,043.0	5,836.0	6,431.0
PENNSYLVANIA	5,332.0	5,331.0	5,273.0	4,918.0	4,978.0	4,897.0	414.0	354.0	376.0
ALLENTOWN-BETH-EASTON	302.3	302.5	-	280.7	282.3	-	21.6	20.2	-
ALTOONA	59.5	59.0	57.3	53.7	54.0	52.2	5.7	5.0	5.2
ERIE	126.0	125.9	125.4	115.5	116.4	115.9	10.6	9.4	9.6
HARRISBURG	217.7	215.8	216.9	204.5	205.9	204.8	13.2	10.0	12.0
JOHNSTOWN	111.3	109.3	108.6	100.0	99.6	98.5	11.4	9.8	10.0
NCASTER	176.4	176.3	175.1	167.3	168.9	166.7	9.1	7.4	8.4
NORTHEAST	287.4	286.0	282.4	257.5	259.6	256.1	29.9	26.4	26.4
SCRANTON	104.9	104.6	103.8	95.0	95.8	94.5	9.9	8.9	9.3
W BARRE-HAZLETON	155.3	154.1	152.0	138.2	139.3	137.5	17.1	14.7	14.5
PHILADELPHIA	2,121.3	2,139.2	-	1,983.9	2,013.2	-	137.4	126.0	-
PITTSBURGH	1,015.2	1,013.1	1,007.7	940.0	955.2	944.0	75.3	57.9	63.8
POTTSVILLE	66.3	67.1	67.8	59.3	60.0	61.6	7.0	7.1	6.3
READING	154.9	153.5	148.5	144.6	145.4	140.4	10.3	8.0	8.1
UNIONTOWN-CONNELLSVLE	60.9	58.8	60.6	52.6	53.1	54.2	8.3	5.7	6.5
WILLIAMSPORT	52.3	52.5	52.7	46.0	46.7	48.2	6.3	5.8	4.5
YORK	175.4	173.3	171.2	163.1	164.7	162.1	12.3	8.6	9.0

TABLE 16. EMPLOYMENT IN MAJOR LABOR MARKET AREAS
ESTABLISHMENT DATA (Number of Jobs)
(Thousands)

STATE and AREA data include persons involved in labor management disputes; not included in U.S. data.

Area	Nonagricultural Wage and Salary			Private Sector *		
	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979
UNITED STATES	89,176.0	91,000.0	87,128.0	73,420.0	75,070.0	71,628.0
PENNSYLVANIA	4,794.5	4,888.8	4,701.4	4,064.7	4,154.3	3,981.6
ALLENTOWN-BETHLEHEM-EASTON	263.3	266.7	259.2	234.2	237.7	229.6
ALTOONA	53.3	53.9	51.2	46.1	46.8	44.1
ERIE	116.0	117.9	115.3	102.0	103.9	101.1
HARRISBURG	215.2	218.1	213.6	160.3	163.2	157.6
JOHNSTOWN	91.0	91.4	88.6	75.1	76.2	74.0
LANCASTER	152.4	155.2	150.1	137.3	139.9	135.2
NORTHEAST	242.7	246.5	238.9	202.9	205.7	200.2
SCRANTON	87.0	88.6	85.4	74.8	76.3	73.4
WILKES-BARRE-HAZLETON	127.0	129.6	125.7	107.3	108.9	106.4
PHILADELPHIA	1,921.7	1,963.9	1,886.0	1,613.9	1,655.1	1,588.8
PITTSBURGH	945.6	968.2	940.6	819.0	839.7	816.5
POTTSVILLE	47.7	48.7	48.8	38.9	40.0	40.9
READING	140.8	143.0	135.7	124.1	125.9	119.7
UNIONTOWN-CONNELLSVILLE	36.1	36.6	36.8	28.9	29.5	28.9
WILLIAMSPORT	46.3	47.4	48.1	39.9	41.0	41.4
YORK	157.5	160.2	155.0	138.3	138.0	135.9

Area	Manufacturing			Nonmanufacturing		
	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979
UNITED STATES	20,677.0	20,905.0	20,763.0	68,499.0	70,095.0	66,365.0
PENNSYLVANIA	1,369.8	1,383.7	1,374.7	3,419.7	3,498.8	3,320.8
ALLENTOWN-BETHLEHEM-EASTON	110.3	110.9	109.8	153.0	155.8	149.2
ALTOONA	13.6	13.4	12.7	39.7	40.5	38.5
ERIE	43.2	43.9	44.5	72.5	74.0	70.8
HARRISBURG	43.5	43.6	42.3	171.6	174.4	171.0
JOHNSTOWN	20.3	20.3	20.3	70.6	71.1	68.2
LANCASTER	60.1	60.5	60.1	92.3	94.7	90.0
NORTHEAST	73.7	72.6	73.2	168.6	173.5	165.7
SCRANTON	28.5	28.3	27.9	58.1	59.9	57.5
WILKES-BARRE-HAZLETON	40.1	39.8	40.5	86.9	89.8	85.2
PHILADELPHIA	454.6	457.5	450.4	1,465.3	1,505.5	1,432.8
PITTSBURGH	246.5	253.0	253.3	697.1	714.2	685.0
POTTSVILLE	20.1	20.1	21.4	27.6	28.6	27.4
READING	55.2	55.3	54.8	85.6	87.7	80.9
UNIONTOWN-CONNELLSVILLE	8.0	8.1	7.6	28.1	28.5	28.6
WILLIAMSPORT	16.6	17.0	18.5	29.7	30.4	29.6
YORK	67.7	65.1	66.5	89.8	92.1	88.4

* Excludes Government employment

TABLE 17. LABOR TURNOVER RATES IN PENNSYLVANIA
NONDURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	Nondurable Goods						Food & Kindred						Textiles						Apparel					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	4.3	3.1		4.4	2.4	1.3	5.1	3.4		5.4	2.8	1.9	5.1	4.3		5.2	3.6	0.7	4.8	3.0		5.1	2.4	1.9
1974	4.2	2.7		4.9	2.1	2.1	5.2	3.3		[illegible]	2.6	2.5	4.5	3.6		5.5	3.1	1.7	5.2	2.5		6.6	2.1	3.8
1975	4.1	1.8		4.4	1.3	2.5	4.6	2.3		4.9	1.5	2.7	4.5	2.3		5.1	1.6	2.8	5.6	2.3		5.6	1.5	3.5
1976	3.9	2.2	1.4	4.1	1.4	2.0	4.6	2.3	2.0	4.9	1.4	2.8	4.5	3.0	1.2	4.8	2.2	1.9	4.8	2.5	2.0	5.5	1.7	2.9
1977	3.9	2.3	1.4	3.9	1.5	1.8	4.9	2.4	2.2	5.0	1.6	2.8	4.3	3.0	1.1	4.6	2.2	1.8	5.1	2.6	2.2	5.1	1.8	2.6
1978	3.6	2.4	1.0	3.6	1.7	1.3	4.1	2.5	1.4	4.3	1.8	1.9	4.5	3.5	0.8	4.2	2.6	0.9	4.3	2.7	1.3	4.6	2.0	1.8
Dec.	2.2	1.4	0.7	3.5	1.2	1.6	2.6	1.9	0.6	4.8	1.5	2.5	2.5	1.7	0.7	3.5	1.6	1.3	2.0	1.2	0.7	4.8	1.2	2.8
1979																								
Jan.	4.0	2.2	1.6	3.9	1.5	1.7	3.6	2.0	1.4	5.2	1.6	3.0	4.1	3.2	0.7	4.3	2.5	1.2	6.7	2.6	3.8	4.9	1.8	2.3
Feb.	3.1	1.9	1.1	2.9	1.3	1.0	3.1	1.5	1.4	3.5	1.5	1.5	3.0	2.1	0.8	3.4	2.2	0.6	4.9	2.7	1.9	3.9	1.6	1.8
Mar.	3.8	2.3	1.3	3.7	1.6	1.3	3.5	2.0	1.4	3.5	1.5	1.4	3.6	2.5	0.9	3.9	2.3	0.9	4.8	2.8	1.8	5.4	2.0	2.4
Apr.	3.6	2.1	1.1	3.5	1.5	1.3	4.3	2.5	1.6	4.1	1.6	2.0	3.6	2.6	0.8	4.1	2.4	1.1	4.3	2.2	1.7	4.5	1.8	1.8
May	4.1	2.7	1.1	3.7	1.7	1.4	5.0	3.4	1.3	4.7	1.9	2.1	4.1	3.3	0.6	4.0	2.6	0.9	4.9	2.5	2.0	5.2	1.9	2.6
Jun.	4.3	3.0	1.0	3.6	1.7	1.3	5.1	3.6	1.2	4.4	2.0	1.7	4.3	3.6	0.5	4.0	2.5	0.8	4.7	2.5	1.8	5.1	2.0	2.2
Jul.	4.0	2.2	1.6	4.3	1.6	2.1	5.8	3.0	2.6	4.3	1.9	1.8	4.8	2.6	2.0	6.5	2.3	3.4	4.8	2.1	2.4	6.7	1.9	3.9
Aug.	4.2	2.7	1.2	5.0	2.9	1.4	5.4	3.5	1.4	4.6	3.1	0.8	4.4	3.4	0.9	6.2	3.7	0.4	5.3	2.6	2.4	6.5	2.8	2.7
Sep.	4.0	2.7	1.0	4.4	2.3	1.5	5.0	3.4	1.4	5.0	2.5	1.8	3.9	3.0	0.7	4.9	3.1	1.3	5.3	2.8	2.0	5.5	2.3	2.5
Oct.	3.7	2.5	1.0	3.8	1.7	1.5	4.2	2.9	1.1	4.8	2.0	1.9	4.4	3.1	1.1	4.1	2.3	1.2	5.1	2.7	2.2	5.1	1.9	2.6
Nov.	3.0	1.9	1.0	3.6	1.3	1.7	3.5	2.2	1.1	4.2	1.7	1.7	2.9	1.9	0.8	3.8	1.9	1.4	3.6	1.7	1.7	5.5	1.4	3.6
Dec.	2.3	1.1	1.0	3.2	0.8	1.8	2.8	1.1	1.2	3.4	1.1	1.8	1.9	1.3	0.5	3.3	1.2	1.5	3.1	1.1	1.9	4.9	0.8	3.5

Year & Month	Paper & Allied Products						Printing & Publishing						Chemicals						Petroleum & Coal Products					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	3.1	2.6		3.0	1.7	0.6	2.8	2.2		2.9	1.6	0.8	2.5	1.8		2.4	1.2	0.6	1.6	1.3		2.0	0.7	0.4
1974	2.7	2.0		3.5	1.6	1.3	2.4	1.9		2.6	1.4	0.7	2.2	1.6		2.3	1.0	0.7	1.4	1.1		1.4	0.6	0.3
1975	3.4	1.0		3.7	0.7	2.5	2.0	1.1		2.5	0.8	1.3	2.2	0.9		2.4	0.5	1.4	1.1	0.8		1.1	0.3	0.3
1976	2.5	1.5	0.9	2.4	0.8	1.1	2.3	1.5	0.6	2.3	0.9	0.9	2.1	1.2	0.7	1.9	0.6	0.8	1.5	1.0	0.2	1.6	0.4	0.3
1977	2.6	1.5	0.9	2.7	0.9	1.3	2.2	1.5	0.6	2.1	1.0	0.7	2.0	1.3	0.6	2.0	0.7	0.6	1.4	1.1	0.1	1.5	0.5	0.3
1978	2.7	1.7	0.8	2.6	1.1	0.9	2.5	1.8	0.6	2.4	1.2	0.8	2.0	1.4	0.5	1.8	0.7	0.5	1.4	1.1	0.2	1.5	0.5	0.4
Dec.	2.3	1.0	1.1	2.4	0.7	1.2	2.1	1.3	0.7	1.9	1.1	0.5	1.2	0.9	0.2	1.3	0.5	0.3	0.6	0.4	N	1.8	0.3	0.8
1979																								
Jan.	2.5	1.2	1.1	3.4	0.9	1.8	2.8	2.2	0.6	2.9	1.2	1.1	1.6	1.2	0.3	1.7	0.6	0.5	1.0	0.7	0.2	1.1	0.3	0.5
Feb.	2.0	1.1	0.8	1.9	0.8	0.6	2.4	1.6	0.7	1.9	1.1	0.5	1.5	1.2	0.3	1.4	0.5	0.3	1.0	0.6	0.3	1.2	0.4	0.2
Mar.	2.4	1.4	0.8	1.9	1.0	0.4	2.7	1.7	1.0	2.0	1.1	0.6	2.1	1.6	0.4	1.4	0.7	0.3	1.2	0.9	0.2	0.7	0.3	0.1
Apr.	2.6	1.6	0.8	2.5	1.1	0.8	2.4	1.8	0.5	2.3	1.2	0.8	1.6	1.1	0.3	1.2	0.6	0.4	2.0	1.1	0.8	1.2	0.5	0.4
May	3.8	2.6	0.9	2.5	1.2	0.8	2.7	2.2	0.5	2.4	1.3	0.7	2.2	1.7	0.4	1.3	0.6	0.3	2.4	1.6	0.4	1.0	0.4	0.2
Jun.	4.1	3.2	0.7	2.0	1.1	0.5	3.3	2.6	0.6	2.4	1.3	0.8	3.0	2.4	0.4	1.5	0.7	0.4	2.8	2.6	0.1	1.2	0.2	0.3
Jul.	4.3	2.6	1.6	3.6	1.2	1.7	2.4	1.7	0.6	2.1	1.2	0.6	1.6	1.2	0.3	1.4	0.7	0.4	2.7	2.3	0.2	1.1	0.4	0.2
Aug.	3.6	2.6	0.9	4.5	2.7	0.8	2.5	1.9	0.1	3.2	2.2	0.4	1.9	1.6	0.3	2.8	1.9	0.4	1.4	0.9	0.1	3.6	2.5	0.4
Sep.	3.2	2.8	0.2	4.4	2.7	1.0	2.8	2.3	0.4	2.7	1.8	0.6	2.0	1.5	0.3	2.5	1.2	0.8	1.7	1.4	0.2	1.8	1.1	0.1
Oct.	2.8	2.2	0.5	2.9	1.2	1.0	3.0	2.5	0.4	2.2	1.3	0.5	1.9	1.4	0.4	1.7	0.7	0.6	1.1	0.9	0.1	1.4	0.3	0.5
Nov.	2.4	1.6	0.7	2.8	1.1	1.0	2.4	1.8	0.5	2.2	1.1	0.8	1.4	0.9	0.4	1.2	0.6	0.3	0.9	0.8	0.1	1.5	0.4	0.7
Dec.	1.5	0.7	0.7	2.9	0.5	2.0	2.4	1.6	0.7	1.7	0.8	0.5	1.3	0.9	0.2	1.3	0.4	0.5	0.6	0.5	N	2.0	0.3	1.5

Year & Month	Rubber & Plastics						Leather Goods					
	Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	5.0	3.9		4.8	2.7	0.9	7.5	6.3		7.9	5.7	1.3
1974	4.4	3.0		5.2	2.3	1.8	7.1	5.6		8.6	5.1	2.6
1975	3.7	1.1		4.9	0.9	3.1	6.8	5.1		7.0	3.5	2.6
1976	4.1	2.2	1.6	3.7	1.3	1.5	6.4	4.7	1.4	7.2	3.9	2.4
1977	3.5	2.3	1.0	3.6	1.4	1.3	6.6	4.9	1.3	6.8	4.1	1.8
1978	3.3	2.2	0.8	3.2	1.5	1.0	7.0	5.0	1.5	8.0	4.8	2.4
Dec.	1.9	1.3	0.5	2.3	1.0	1.0	4.5	2.7	1.5	7.0	3.5	2.7
1979												
Jan.	3.8	2.6	1.0	2.7	1.2	0.8	7.7	4.8	2.2	6.5	3.7	2.1
Feb.	3.0	2.0	0.8	2.7	1.2	0.9	4.4	3.4	0.5	5.4	3.2	1.5
Mar.	3.1	2.2	0.6	3.5	1.5	1.1	6.8	4.7	1.5	8.3	4.5	2.8
Apr.	3.8	2.2	1.4	3.4	1.2	1.4	6.7	4.9	1.5	8.2	4.7	2.5
May	4.8	3.2	1.2	3.2	1.5	0.8	7.9	5.8	1.5	8.2	5.4	1.4
Jun.	4.5	3.4	0.7	2.9	1.2	1.0	7.8	5.7	1.5	7.3	4.5	2.1
Jul.	3.1	2.0	0.8	3.2	1.4	1.0	5.5	4.0	1.0	9.9	4.5	4.9
Aug.	3.9	2.8	0.7	5.6	3.3	1.3	10.4	6.5	3.7	10.8	6.7	3.4
Sep.	3.5	2.4	0.6	4.4	2.3	1.2	6.2	4.6	1.1	8.0	6.0	1.3
Oct.	3.1	2.1	0.7	3.5	1.3	1.1	5.6	4.9	0.4	7.0	4.5	1.7
Nov.	2.5	1.3	0.9	2.8	1.0	1.2	4.5	3.6	0.6	6.7	3.2	3.0
Dec.	1.9	1.0	0.7	3.0	0.6	1.8	4.2	2.4	1.6	4.4	2.3	1.1

N = Negligible

TABLE 18. LABOR TURNOVER RATES IN PENNSYLVANIA
DURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	All Manufacturing						Durable Goods						Furniture & Fixtures						Stone, Clay & Glass					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	3.7	2.7		3.5	1.8	0.9	3.3	2.4		3.0	1.5	0.7	6.4	5.2		6.6	4.2	1.4	4.1	2.4		3.8	1.6	1.5
1974	3.4	2.2		3.9	1.6	1.6	2.9	1.9		3.2	1.2	1.3	5.0	3.5		7.0	2.9	3.0	3.6	2.0		4.6	1.4	2.5
1975	3.3	1.[illegible]		3.9	0.8	2.3	2.8	0.9		3.7	0.6	2.5	5.8	2.0		6.1	1.2	4.1	3.9	1.0		4.6	0.7	3.3
1976	3.3	1.5	1.5	3.5	0.9	1.9	2.9	1.0	1.6	3.1	0.6	1.8	5.1	2.8	2.0	5.2	1.8	2.5	3.7	1.3	2.3	3.5	0.7	2.2
1977	3.4	1.7	1.5	3.5	1.0	1.8	3.1	1.3	1.6	3.2	0.7	1.8	6.4	3.8	2.4	5.6	2.1	2.5	3.9	1.4	2.4	3.6	0.8	2.2
1978	3.0	1.8	0.9	2.9	1.2	1.1	2.6	1.5	0.9	2.4	0.8	0.9	4.8	4.0	0.6	4.7	2.7	1.0	2.7	1.6	1.0	2.8	0.9	1.2
Dec.	1.9	1.1	0.6	2.7	0.8	1.3	1.6	0.9	0.5	2.1	0.5	1.0	2.8	2.5	0.2	3.3	1.9	0.5	1.7	0.7	0.8	3.6	0.5	2.2
1979																								
Jan.	3.3	1.9	1.2	3.1	1.0	1.4	2.8	1.6	0.9	2.7	0.7	1.1	4.0	3.4	0.5	5.0	2.1	1.8	2.1	0.9	1.1	4.1	0.7	2.8
Feb.	2.6	1.6	0.9	2.5	0.9	0.9	2.4	1.4	0.8	2.3	0.7	1.5	3.7	2.3	1.5	4.2	1.6	1.5	2.6	0.8	1.6	2.4	0.5	1.2
Mar.	3.1	1.8	1.0	2.9	1.1	1.0	2.6	1.5	0.9	2.3	0.8	0.8	4.1	3.5	0.3	5.7	2.4	1.9	3.8	1.0	2.7	2.6	0.7	1.4
Apr.	2.9	1.7	0.9	2.8	1.1	1.0	2.5	1.5	0.8	2.3	0.8	0.6	4.2	3.1	0.6	6.0	2.0	2.9	3.8	1.7	2.0	2.4	0.7	1.2
May	3.6	2.3	1.0	2.8	1.2	0.9	3.2	2.0	0.9	2.2	0.9	0.6	7.8	4.3	3.3	6.9	2.2	3.2	3.8	2.3	1.3	1.9	0.8	0.6
Jun.	3.6	2.6	0.7	2.8	1.2	1.0	3.1	2.3	0.6	2.3	0.9	0.8	6.5	3.8	2.4	4.6	2.4	0.8	3.6	2.6	0.7	2.3	0.8	1.0
Jul.	3.2	1.8	1.1	3.3	1.1	1.6	2.7	1.6	0.9	2.7	0.8	1.2	6.6	3.5	3.0	7.5	2.0	4.5	2.7	1.7	0.9	2.4	0.8	1.1
Aug.	3.5	2.2	1.0	4.2	2.3	1.2	3.0	1.8	0.9	3.7	1.8	1.1	6.9	5.2	1.6	6.8	4.4	0.7	2.9	1.7	1.1	4.1	2.1	1.4
Sep.	3.1	2.1	0.7	3.5	1.6	1.2	2.5	1.6	0.6	3.0	1.2	1.0	5.3	4.9	0.3	6.0	3.1	1.4	2.7	1.3	1.3	3.0	1.3	1.1
Oct.	2.9	1.9	0.3	3.1	1.1	1.3	2.4	1.5	0.7	2.7	0.8	1.2	3.8	3.1	0.5	3.9	2.0	0.9	1.7	1.0	0.5	3.1	0.7	1.9
Nov.	2.3	1.3	0.8	3.0	0.8	1.6	1.8	0.9	0.6	2.7	0.6	1.6	2.8	2.1	0.6	4.4	1.4	2.2	2.0	0.7	1.1	2.2	0.5	1.3
Dec.	1.9	0.9	0.9	3.1	0.6	2.0	1.7	0.7	0.8	3.1	0.4	2.1	2.6	1.4	1.0	3.7	1.1	1.8	1.4	0.3	0.9	3.4	0.3	2.6

Year & Month	Primary Metals						Fabricated Metals						Machinery except Electrical						Electric & Electronic Equipment					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	2.4	1.8		2.1	1.0	0.4	4.0	2.9		3.8	1.7	1.2	2.8	2.3		2.1	1.2	0.3	3.2	2.4		3.0	1.5	0.6
1974	2.3	1.5		2.3	0.9	0.8	3.7	2.4		4.1	1.4	1.8	2.6	2.1		2.3	1.2	0.4	2.2	1.4		2.9	1.1	1.1
1975	3.0	0.5		4.3	0.3	3.3	2.8	1.1		3.8	0.6	2.5	1.7	0.9		2.7	0.6	1.5	1.6	0.4		2.8	0.4	1.8
1976	3.3	0.6	2.4	3.3	0.4	2.2	2.7	1.1	1.5	3.5	0.6	2.2	2.4	0.9	1.4	2.8	0.6	1.7	2.1	1.0	0.7	2.2	0.6	0.9
1977	2.9	0.8	1.8	3.2	0.4	2.0	3.3	1.3	1.8	3.4	0.7	2.1	3.2	1.0	2.0	3.5	0.6	2.3	2.5	1.2	0.8	2.6	0.7	1.2
1978	2.5	1.1	1.2	2.4	0.5	1.1	3.1	1.6	1.2	3.0	0.9	1.3	2.1	1.4	0.5	1.6	0.7	0.4	2.3	1.3	0.7	2.3	0.8	0.8
Dec.	1.6	0.5	0.8	1.9	0.3	1.0	1.9	1.0	0.7	2.3	0.6	1.2	1.4	1.1	0.2	1.4	0.6	0.4	1.6	0.8	0.5	1.7	0.5	0.6
1979																								
Jan.	3.0	1.3	1.4	2.4	0.4	1.0	3.4	1.9	1.2	3.2	0.8	1.6	2.2	1.6	0.3	1.6	0.8	0.3	2.5	1.4	0.7	2.4	0.7	0.9
Feb.	2.3	1.3	0.8	1.8	0.4	0.5	2.6	1.7	0.7	2.7	0.7	1.3	1.7	1.4	0.2	1.3	0.6	0.2	2.2	1.2	0.6	2.2	0.7	0.8
Mar.	1.9	1.2	0.5	1.8	0.4	0.6	3.0	1.8	1.1	2.5	0.8	1.0	1.8	1.4	0.2	1.7	0.8	0.3	2.4	1.4	0.7	2.4	0.8	0.8
Apr.	2.0	1.1	0.7	1.9	0.4	0.7	2.8	1.8	0.9	3.1	0.9	1.6	1.6	1.2	0.2	1.3	0.7	0.2	2.5	1.4	0.7	2.3	0.8	0.5
May	3.3	1.8	1.1	1.6	0.5	0.4	3.8	2.4	1.1	2.5	1.1	0.7	1.9	1.6	0.2	1.5	0.8	0.2	2.9	1.8	0.6	2.4	1.0	0.6
Jun.	2.6	2.0	0.3	1.4	0.5	0.2	3.7	2.5	1.0	3.5	1.0	1.7	2.4	2.1	0.2	1.9	0.9	0.5	2.9	2.1	0.5	1.7	0.8	0.3
Jul.	2.2	1.4	0.6	2.3	0.5	0.8	3.3	1.9	1.1	3.3	0.9	1.7	2.0	1.3	0.5	1.9	0.7	0.7	2.9	1.6	1.0	2.8	0.8	1.5
Aug.	2.0	1.2	0.5	3.4	1.7	0.8	4.7	2.4	1.9	4.6	2.0	1.9	2.3	1.5	0.6	2.3	1.3	0.4	3.0	2.1	0.5	3.9	2.0	1.0
Sep.	1.7	1.0	0.5	3.4	1.0	1.6	3.3	2.3	0.7	3.0	1.2	1.1	1.8	1.5	0.2	2.0	0.9	0.5	2.4	1.5	0.4	2.3	1.2	0.4
Oct.	2.1	0.9	0.9	2.8	0.5	1.6	3.2	2.1	1.1	3.1	0.9	1.4	1.7	1.4	0.2	1.5	0.7	0.4	1.9	1.2	0.3	2.2	0.7	0.8
Nov.	1.7	0.7	0.9	2.3	0.3	1.4	2.4	1.4	0.9	2.7	0.6	1.5	1.4	1.1	0.2	1.3	0.6	0.4	1.5	0.9	0.2	1.9	0.5	0.8
Dec.	1.9	0.4	1.3	3.9	0.3	3.1	1.9	0.9	0.9	3.9	0.5	2.8	1.1	0.8	0.2	1.1	0.4	0.3	1.6	0.7	0.6	1.9	0.5	0.8

Year & Month	Transportation Equipment						Instruments & Related						Miscellaneous Manufacturing					
	Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	4.4	2.6		3.8	1.4	1.2	2.9	2.4		2.8	1.6	0.5	3.6	2.7		3.5	2.0	0.9
1974	4.2	2.2		4.2	1.1	2.0	2.9	2.4		2.8	1.4	0.7	3.8	2.6		4.8	1.8	2.3
1975	3.5	1.3		3.9	0.6	2.2	1.9	1.1		2.2	0.6	1.0	3.2	1.0		3.3	0.7	2.1
1976	3.2	1.1	1.6	3.5	0.5	2.0	2.1	1.4	0.5	1.8	0.7	0.6	2.6	1.5	0.9	2.7	0.8	1.2
1977	3.0	1.6	1.1	2.8	0.6	1.4	2.1	1.6	0.3	1.7	0.8	0.4	2.7	1.5	1.1	2.7	0.8	1.3
1978	3.0	1.5	1.0	2.5	0.7	1.0	2.0	1.6	0.2	1.7	0.9	0.3	2.9	1.9	0.9	2.9	1.0	1.2
Dec.	1.6	0.8	0.3	2.0	0.3	1.0	1.1	0.9	0.1	1.2	0.6	0.1	1.7	0.6	1.0	5.5	0.8	4.1
1979																		
Jan.	2.9	1.7	0.8	2.8	0.8	0.9	2.3	2.1	0.1	1.6	0.7	0.2	4.1	2.4	1.6	3.8	0.7	2.2
Feb.	2.0	1.3	0.4	2.9	0.5	1.4	2.6	2.4	0.1	2.5	1.1	0.3	3.2	1.6	1.4	2.3	0.8	0.6
Mar.	2.7	1.6	0.7	2.8	0.9	1.0	2.2	1.9	0.1	1.4	0.9	0.2	3.6	2.3	1.3	2.7	0.9	0.7
Apr.	3.1	1.4	1.3	2.9	0.7	1.1	2.0	1.4	0.5	1.7	0.9	0.3	3.3	1.6	1.6	3.0	0.9	1.1
May	3.1	1.5	1.2	2.5	0.6	0.9	2.7	1.9	0.6	2.0	0.9	0.5	3.5	2.3	1.0	2.2	1.1	0.3
Jun.	2.7	1.7	0.6	3.8	0.6	1.9	2.9	2.3	0.4	2.0	1.0	0.4	6.0	4.4	1.4	2.4	1.4	0.5
Jul.	3.2	1.4	1.2	3.0	0.6	1.4	1.5	1.2	0.1	2.1	0.8	0.8	3.3	1.5	1.7	4.1	1.4	2.2
Aug.	3.1	1.4	1.2	3.4	1.1	1.4	1.9	1.2	0.5	2.6	1.5	0.3	4.8	3.4	1.3	6.2	3.7	1.9
Sep.	3.1	1.7	1.0	3.1	1.0	1.2	1.5	1.2	0.2	3.0	1.1	1.0	4.0	3.2	0.6	3.8	2.0	1.0
Oct.	3.3	2.0	0.7	3.4	0.9	1.3	1.4	1.2	0.1	1.6	0.8	0.4	4.0	2.4	1.5	3.2	1.8	0.5
Nov.	2.2	0.7	1.1	6.2	0.6	4.7	1.5	1.0	0.4	1.4	0.6	0.4	1.6	1.1	0.4	6.6	1.5	4.5
Dec.	2.1	0.4	1.2	4.7	0.3	3.6	1.2	0.8	0.3	0.9	0.4	0.1	1.3	0.6	0.7	4.8	0.7	3.8

N = Negligible

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PENNSYLVANIA EMPLOYMENT AND EARNINGS

A STATEWIDE SUMMARY OF
LEVELS, TRENDS AND
TURNOVER RATES

MARCH 1980

Vol. XXV No. 3

JOB
SERVICE

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF LABOR AND INDUSTRY BUREAU OF EMPLOYMENT SECURITY
In cooperation with the United States Bureau of Labor Statistics
[illegible]

- EXPLANATORY -

INDUSTRY EMPLOYMENT

Employment data, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives."

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

LABOR TURNOVER RATES

Labor Turnover rates for manufacturing industries are computed by dividing totals of each turnover item by the total employment in all establishments. These rates are multiplied by 100, rounded to one decimal place, and published as rates of turnover per 100 employees.

This report is prepared by the Research and Statistics Division.
Refer queries, in writing to:
PENNSYLVANIA BUREAU OF EMPLOYMENT SECURITY
COOPERATING REPRESENTATIVE
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Issued: March 1980 Reference: Mid-February

PENNSYLVANIA EMPLOYMENT & EARNINGS
FEBRUARY 1980

Total unemployment in Pennsylvania, adjusted for seasonal influences, declined moderately in February while unadjusted unemployment remained unchanged.

Seasonally adjusted, the volume of unemployment was estimated at 370,000 in February down 15,000 from January. The rate of unemployment was 6.8 percent in February, down from 7.2 percent in January. This was the first month since July 1979 that the seasonally adjusted rate fell below 7.0 percent. However, with uncertainties in the economy, the improvement may be only temporary. Unemployment had been climbing gradually since the end of 1978. Last February, seasonally adjusted unemployment was 342,000 and the rate was 6.5 percent.

The unadjusted volume of unemployment rose only 5,000 from January to February's level of 419,000. This was insufficient to change the unadjusted rate of unemployment from January's 7.8 percent. Normally, unfavorable weather conditions help push February unemployment to its highest level of the year.

Although little change was evident in unadjusted unemployment, some shifts were apparent. While unemployment dropped for males and older workers, unemployment rose for females and youth.

Nationwide, the February seasonally adjusted rate was 6.0 percent of the total civilian labor force, down from 6.2 percent in January. The unadjusted rate was 6.8 percent in February, unchanged from January.

FACTORY CUTBACKS IN EVIDENCE

Factory production cooled a bit in February. Employment dropped 4,400 and the average workweek slipped a tenth-of-an-hour. While the trim was a moderate one, it marked the fifth consecutive monthly decline in jobs - a loss of more than 28,000 since mid-September. It was, also, the shortest workweek in two years.

During February, durable industries bore the brunt of the downturn, chiefly among ELECTRICAL MACHINERY, TRANSPORTATION EQUIPMENT and PRIMARY METALS industries where collectively 4,500 jobs were eliminated. Concomitantly, these three industries accounted for a loss of nearly 205,000 production hours - sixty-four percent of the overall manufacturing slice.

Nondurables fared somewhat better, netting an extra one hundred jobs. APPAREL made the best showing in this group with a plus 2,300. This offset the diminished job demands in FOOD, PETROLEUM and RUBBER. To compound the prevailing economic woes, the RUBBER industry in Pennsylvania is feeling the effects of the gradual shutdown of two major tire manufacturers in the Delaware Valley Area. RUBBER along with FOOD, also, reported a cutback in working time.

Over the year, factory jobs slackened off. Down 6,000 from February 1979, nondurables carried the loss entirely as durables managed, though barely, to stay abreast of its previous year's level. APPAREL, TRANSPORATION EQUIPMENT and PRIMARY METALS reflected the greatest lags while NONELECTRICAL MACHINERY boasted the greatest gain.

Although, overall, production hours lessened by only six minutes in February, the 39.1 average production workweek was the lowest since February 1978. Only FURNITURE and APPAREL showed any real gains in terms of jobs and hours. The PETROLEUM industry clocked an additional 8.1 in average production time this month but this reflected a settled labor-management dispute rather than improved business conditions.

FACTORY EARNINGS SHOW LITTLE CHANGE

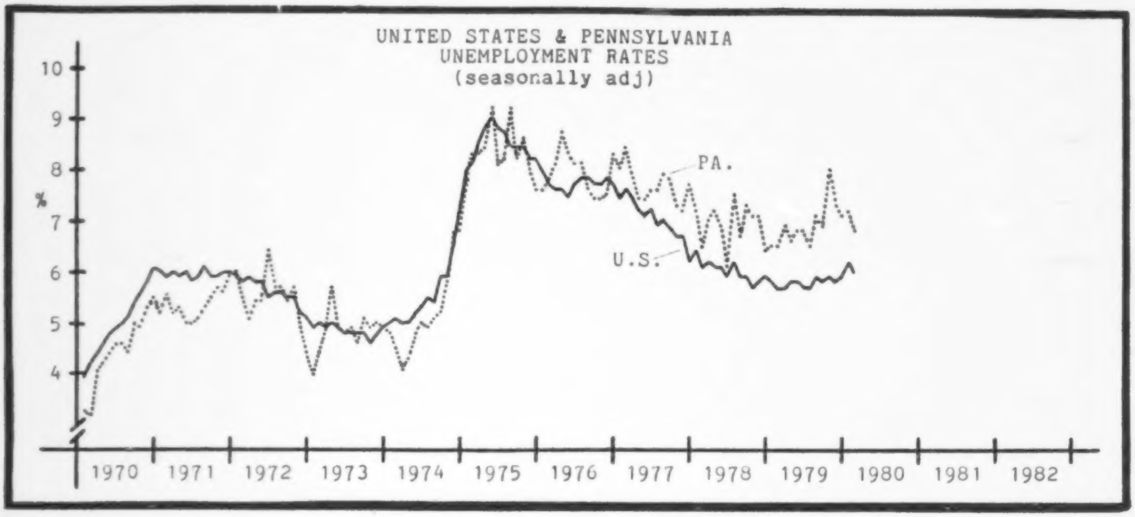
Manufacturing average hourly earnings during February were $7.30, an increase of two cents over the month. Except for the PETROLEUM industry where wage rate increases were reported, hourly gains in all industries were minimal, reflecting only varying amounts of overtime or incentive earnings.

At the national level hourly earnings averaged $6.98 for a 39.7 hour week.

NONMANUFACTURING JOB TRENDS TYPICALLY SEASONAL

Despite the growing uneasiness over the present economic situation, the nonmanufacturing job drop, 22,500, did not appear to be unseemly. RETAIL TRADE and CONSTRUCTION took their usual late winter plunge - down 16,400 and 11,800 jobs respectively. SERVICES gained 6,300. Other gains or losses were negligible. The trends in all divisions appeared to be comparable, for the most part, with those of recent years.

Over the year comparisons were favorable. Up nearly 64,000 from last February, SERVICES carried 84 percent of the increase in nonmanufacturing. CONSTRUCTION, WHOLESALE TRADE and FINANCE, INSURANCE AND REAL ESTATE were also on the plus side. All other industries showed falloffs.



EMPLOYMENT DATA IN THIS PUBLICATION HAVE BEEN REVISED TO FIRST QUARTER 1979 BENCHMARKS, AND ARE THEREFORE, NOT STRICTLY COMPARABLE WITH FIGURES PUBLISHED PRIOR TO JANUARY 1978. DATA ARE BASED ON INDUSTRY CLASSIFICATION IN ACCORDANCE WITH THE REVISED 1972 STANDARD INDUSTRIAL CLASSIFICATION MANUAL.

On all tables data for most recent month are preliminary and subject to revision.

ADDITIONAL NOTATION ON PAGE 13

Table 1. Resident Employment, Unemployment and Unemployed Rate (Thousands)

	PENNSYLVANIA					UNITED STATES				
Year	Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %	Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %
1962	4,474.2	4,110.5	363.7	8.1		70,614.0	66,702.0	3,911.0	5.5	
1963	4,422.9	4,090.0	332.9	7.5		71,833.0	67,762.0	4,070.0	5.7	
1964	4,430.9	4,155.2	275.7	6.2		73,091.0	69,305.0	3,786.0	5.2	
1965	4,469.3	4,263.4	205.9	4.6		74,455.0	71,088.0	3,366.0	4.5	
1966	4,558.3	4,395.0	163.3	3.6		75,770.0	72,895.0	2,875.0	3.8	
1967	4,637.0	4,467.0	170.0	3.7		77,347.0	74,372.0	2,975.0	3.8	
1968	4,634.0	4,475.0	159.0	3.4		78,737.0	75,920.0	2,817.0	3.6	
1969	4,720.0	4,566.0	154.0	3.3		80,734.0	77,902.0	2,832.0	3.5	
1970	4,828.0	4,610.0	218.0	4.5		82,715.0	78,627.0	4,088.0	4.9	
1971	4,801.0	4,542.0	260.0	5.4		84,113.0	79,120.0	4,993.0	5.9	
1972	4,870.0	4,607.0	264.0	5.4		86,542.0	81,702.0	4,840.0	5.6	
1973	4,988.0	4,747.0	241.0	4.8		88,714.0	84,409.0	4,304.0	4.9	
1974	5,036.0	4,778.0	258.0	5.1		91,011.0	85,935.0	5,076.0	5.6	
1975	5,068.0	4,646.0	421.0	8.3		92,613.0	84,783.0	7,830.0	8.5	
1976	5,094.0	4,690.0	404.0	7.9		94,773.0	87,485.0	7,288.0	7.7	
1977	5,165.0	4,767.0	398.0	7.7		97,401.0	90,546.0	6,855.0	7.0	
1978	5,255.0	4,891.0	364.0	6.9		100,420.0	94,373.0	6,047.0	6.0	
1979	5,296.0	4,930.0	366.0	6.9		102,908.0	96,945.0	5,963.0	5.8	
1979 Feb.	5,236.0	4,842.0	394.0	7.5	6.2	101,249.0	94,765.0	6,484.0	6.4	5.7
Mar.	5,271.0	4,860.0	411.0	7.8	6.9	101,665.0	95,501.0	6,165.0	6.1	5.7
Apr.	5,179.0	4,860.0	320.0	6.2	6.3	101,236.0	95,675.0	5,561.0	5.5	5.8
May	5,209.0	4,915.0	294.0	5.6	6.6	101,473.0	96,220.0	5,253.0	5.2	5.8
Jun.	5,333.0	4,950.0	383.0	7.2	6.6	104,153.0	97,917.0	6,235.0	6.0	5.7
Jul.	5,387.0	5,047.0	340.0	6.3	6.3	104,995.0	98,891.0	6,104.0	5.8	5.7
Aug.	5,339.0	4,967.0	372.0	7.0	7.3	104,363.0	98,226.0	6,137.0	5.9	5.9
Sep.	5,290.0	4,933.0	356.0	6.7	7.1	103,373.0	97,576.0	5,798.0	5.6	5.8
Oct.	5,348.0	4,923.0	425.0	7.9	8.3	103,939.0	98,158.0	5,781.0	5.6	5.9
Nov.	5,359.0	4,990.0	368.0	6.9	7.5	103,719.0	97,943.0	5,776.0	5.6	5.8
Dec.	5,331.0	4,978.0	354.0	6.6	7.3	103,884.0	98,047.0	5,836.0	5.6	5.9
1980 Jan.	5,332.0	4,918.0	414.0	7.8	7.2	103,188.0	96,145.0	7,043.0	6.8	6.2
Feb.	5,363.0	4,944.0	419.0	7.8	6.8	103,257.0	96,264.0	6,993.0	6.8	6.0

TABLE 2. TOTAL CIVILIAN LABOR FORCE, UNEMPLOYMENT AND EMPLOYMENT IN PENNSYLVANIA

RESIDENT DATA	Total – All Persons (In thousands)			Net Change From--	
	Feb. 1980	Jan. 1980	Feb. 1979	Jan. 1980	Feb. 1979
TOTAL CIVILIAN LABOR FORCE	5,363.0	5,332.0	5,236.0	31.0	127.0
TOTAL UNEMPLOYMENT (UNADJUSTED)	419.0	414.0	394.0	5.0	25.0
% CIVILIAN LABOR FORCE	7.8	7.8	7.5	0.0	0.3
TOTAL UNEMPLOYMENT (SEASONALLY ADJUSTED)	370.0	385.0	342.0	-15.0	28.0
% CIVILIAN LABOR FORCE	6.8	7.2	6.5	-0.4	0.3
TOTAL EMPLOYMENT	4,944.0	4,918.0	4,842.0	26.0	102.0

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

ESTABLISHMENT DATA	Total – All Jobs (Thousands)			Net Change From--	
	Feb. 1980	Jan. 1980	Feb. 1979	Jan. 1980	Feb. 1979
TOTAL NONAG. WAGE & SALARY EMPLOYMENT #	4,758.0	4,784.1	4,699.3	-26.1	58.7
LABOR-MANAGEMENT DISPUTES	5.8	5.0	4.8	0.8	1.0
ALL MANUFACTURING INDUSTRIES	1,369.9	1,374.3	1,375.9	-4.4	-6.0
TOTAL NONMANUFACTURING INDUSTRIES	3,382.3	3,404.8	3,318.6	-22.5	63.7
Mining	50.3	50.7	51.6	-0.4	-1.3
Anthracite	3.2	3.1	3.1	0.1	0.1
Bituminous	38.5	39.1	40.9	-0.6	-2.4
Nonmetallic minerals	4.3	4.4	3.9	-0.1	0.4
Contract Construction	178.7	190.5	161.5	-11.8	17.2
General building	51.5	54.9	47.5	-3.4	4.0
Heavy construction	21.3	24.2	26.5	-2.9	-5.2
Special trades	105.9	111.4	87.5	-5.5	18.4
Transportation	162.5	163.3	167.3	-0.8	-4.8
Railroads	42.1	42.1	43.3	0.0	-1.2
Public Utilities	104.1	103.8	102.3	0.3	1.8
Communications	54.8	54.6	53.7	0.2	1.1
Electric, gas & sanitary service	49.3	49.2	48.6	0.1	0.7
Electric systems	23.5	23.4	23.2	0.1	0.3
Gas production	11.6	11.6	11.3	0.0	0.3
Wholesale trade	239.7	240.3	232.8	-0.6	6.9
Retail trade	722.2	738.6	729.5	-16.4	-7.3
General merchandise stores	117.9	125.6	121.8	-7.7	-3.9
Department stores	103.7	111.2	107.1	-7.5	-3.4
Finance, insurance & real estate	238.2	237.7	229.9	0.5	8.3
Banking	79.0	78.5	75.8	0.5	3.2
Commercial & stock savings	72.7	72.3	70.0	0.4	2.7
Credit agencies & securities	30.0	29.7	29.2	0.3	0.8
Insurance	70.2	70.3	68.7	-0.1	1.5
Life insurance	26.3	26.3	26.0	0.0	0.3
Fire, marine & casualty	29.4	29.4	28.7	0.0	0.7
Services	969.7	963.4	916.4	6.3	53.3
Business services	128.1	127.6	118.6	0.5	9.5
Health services	306.0	305.2	298.1	0.8	7.9
Nursing & personal care	50.7	50.6	47.9	0.1	2.8
Hospitals	187.5	186.8	181.9	0.7	5.6
Educational service	149.9	142.7	125.5	7.2	24.4
Miscellaneous services	46.2	46.2	44.1	0.0	2.1
Engineering & architectural	28.9	29.0	27.6	-0.1	1.3
Government	716.9	716.5	727.3	0.4	-10.4
Federal	131.3	131.9	129.8	-0.6	1.5
State & local	585.6	584.6	597.5	1.0	-11.9

TABLE 3. TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA BY MAJOR INDUSTRY DIVISIONS

(Thousands)

Year and Month	Total Nonagr. Wage & Salary	Private Sector Wage & Salary	All Manufacturing	Total Non-Manufacturing	Mining	Contract Construction	Trade		
							Total	Wholesale	Retail
1968	4,263.5	3,675.3	1,570.0	2,693.4	38.0	190.2	779.0	197.5	581.5
1969	4,374.9	3,765.6	1,588.9	2,786.1	38.6	198.5	806.3	201.7	604.7
1970	4,351.6	3,732.9	1,528.8	2,822.8	39.5	192.0	816.5	203.2	613.3
1971	4,291.3	3,662.2	1,438.1	2,853.3	38.0	189.0	828.8	203.3	625.5
1972	4,400.0	3,748.1	1,444.0	2,956.0	40.2	203.1	855.3	206.8	648.5
1973	4,506.5	3,847.7	1,480.1	3,026.4	39.7	205.9	886.5	212.5	674.0
1974	4,514.6	3,832.6	1,464.5	3,050.1	42.1	200.6	879.0	213.4	665.6
1975	4,435.8	3,714.4	1,334.8	3,101.0	46.1	184.5	886.8	216.1	670.8
1976	4,512.8	3,790.7	1,335.2	3,177.5	48.3	180.3	919.3	220.7	698.6
1977	4,565.0	3,853.8	1,341.5	3,223.5	48.0	183.9	939.0	221.7	717.2
1978	4,724.6	3,999.7	1,369.2	3,355.4	46.8	199.0	983.7	230.8	752.9
1979	4,830.6	4,107.9	1,389.8	3,440.8	52.0	205.8	990.0	238.1	751.9
1979 Feb.	4,694.5	3,967.2	1,375.9	3,318.6	51.6	161.5	962.3	232.8	729.5
Mar.	4,749.6	4,016.4	1,381.9	3,367.7	51.9	177.2	970.2	235.1	735.1
Apr.	4,819.4	4,082.9	1,389.5	3,429.9	52.2	197.9	987.4	237.1	750.3
May	4,863.0	4,122.0	1,392.2	3,470.8	52.1	209.8	996.3	237.8	758.5
Jun.	4,911.3	4,175.5	1,409.8	3,501.5	52.7	218.3	1,001.8	240.6	761.2
Jul.	4,852.6	4,142.8	1,397.1	3,455.5	52.3	226.8	987.8	241.1	746.7
Aug.	4,845.7	4,137.7	1,390.4	3,455.3	51.9	227.1	986.6	240.6	746.0
Sep.	4,855.9	4,157.7	1,398.0	3,457.9	52.5	225.6	989.5	237.5	752.0
Oct.	4,896.8	4,182.8	1,394.6	3,502.2	51.4	225.1	1,002.7	240.0	762.7
Nov.	4,855.5	4,128.2	1,390.2	3,465.3	51.9	220.0	1,006.8	240.8	766.0
Dec.	4,882.5	4,154.3	1,383.7	3,498.8	51.1	209.7	1,012.9	240.6	772.3
1980 Jan.	4,779.1	4,062.6	1,374.3	3,404.8	50.7	190.5	978.9	240.3	738.6
Feb.	4,752.2	4,035.3	1,369.9	3,382.3	50.3	178.7	961.9	239.7	722.2

Year and Month	Transportation	Public Utilities	Finance, Insurance & Real Estate	Services and Miscellaneous			Government		
				Total	Hospitals	Other Services	Total	Federal	State & Local
1968	INA	INA	177.7	651.8	INA	INA	588.1	147.5	440.7
1969	INA	INA	183.1	682.6	INA	INA	609.4	146.5	462.8
1970	INA	INA	189.9	698.8	INA	INA	618.7	145.4	473.3
1971	INA	INA	193.7	709.9	INA	INA	629.2	138.5	490.7
1972	161.3	104.7	200.5	739.0	148.2	590.8	651.4	137.6	513.8
1973	161.6	105.5	206.5	762.1	151.9	610.2	658.2	136.4	521.8
1974	161.1	104.4	207.3	773.6	154.9	618.7	681.5	136.6	544.9
1975	154.0	102.5	207.3	798.5	159.8	638.7	720.9	134.4	586.5
1976	155.4	101.1	211.4	839.7	165.5	674.2	721.6	131.8	589.8
1977	160.7	100.7	217.5	862.4	171.1	691.3	711.2	128.1	583.0
1978	165.7	101.5	226.6	907.2	177.9	729.3	724.9	129.5	595.4
1979	169.5	103.5	235.4	961.8	184.6	777.2	722.7	131.6	591.2
1979 Feb.	167.3	102.3	229.9	916.4	181.9	734.5	727.3	129.8	597.5
Mar.	169.9	102.4	231.4	931.5	182.3	749.2	733.2	130.2	603.0
Apr.	169.3	102.5	232.7	951.4	182.9	768.5	736.5	130.8	605.7
May	172.5	102.9	234.7	961.5	183.1	778.4	741.0	131.2	609.8
Jun.	173.2	104.2	238.4	977.1	185.9	791.2	735.8	132.9	602.9
Jul.	166.3	105.0	239.5	968.0	186.7	781.3	709.8	133.5	576.3
Aug.	166.1	105.0	239.4	971.2	186.0	785.2	708.0	132.6	575.4
Sep.	170.9	104.0	236.9	980.3	185.6	794.7	698.2	131.4	566.8
Oct.	172.3	103.9	237.1	995.7	185.9	809.8	714.0	131.1	582.9
Nov.	171.3	104.0	237.7	946.9	186.4	760.5	726.7	132.1	594.6
Dec.	168.5	104.0	237.9	986.5	186.2	800.3	728.2	132.8	595.4
1980 Jan.	163.3	103.8	237.7	963.4	186.8	776.6	716.5	131.9	584.6
Feb.	162.5	104.1	238.2	969.7	187.5	782.2	716.9	131.3	585.6

TABLE 4. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRY GROUPS

(Per 100 Employees)

JANUARY 1980

Industry	Employment (Thousands)	Accession Rates								
		Total			New Hires			Recalls		
		Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979
All Manufacturing	1,374.3	3.2	1.9	3.3	1.5	0.9	1.9	1.4	0.9	1.2
Durable Goods	846.9	2.9	1.6	2.8	1.2	0.7	1.6	1.4	0.8	0.9
Furniture & Fixtures	20.3	3.5	2.5	4.0	2.1	1.4	3.4	1.3	1.0	0.5
Stone, Clay & Glass Products	62.7	2.7	1.4	2.1	0.6	0.4	0.9	1.9	0.9	1.1
Primary Metal Industries	198.7	2.6	1.9	3.0	0.7	0.4	1.3	1.6	1.2	1.4
Fabricated Metal Products	115.9	3.9	2.0	3.4	1.4	0.9	1.9	2.2	0.9	1.2
Machinery, exc. Electrical	146.7	1.9	1.2	2.2	1.5	0.8	1.6	0.3	0.2	0.3
Electric & Electronic Equip.	129.2	2.7	1.5	2.5	1.3	0.7	1.4	0.8	0.5	0.7
Transportation Equipment	83.3	3.6	1.7	2.9	1.7	0.4	1.7	1.5	0.9	0.8
Instruments & Related Products	43.1	1.8	1.1	2.3	1.3	0.7	2.1	0.4	0.3	0.1
Miscellaneous Manufacturing	24.7	2.0	1.2	4.1	1.2	0.6	2.4	0.7	0.6	1.6
Nondurable Goods	527.4	3.7	2.4	4.0	2.0	1.2	2.2	1.5	1.0	1.6
Food & Kindred Products	99.3	2.6	3.1	3.6	1.4	1.6	2.0	1.1	1.3	1.4
Textile Mill Products	46.7	3.7	1.9	4.1	2.6	1.3	3.2	1.0	0.4	0.7
Apparel & Related Products	123.7	6.0	3.1	6.7	2.8	1.0	2.6	3.0	1.8	3.8
Paper & Allied Products	43.7	2.7	1.6	2.5	1.1	0.9	1.2	1.4	0.6	1.1
Printing & Publishing	73.3	2.7	2.5	2.8	1.9	1.5	2.2	0.8	0.9	0.6
Chemicals & Allied Products	61.0	1.8	1.3	1.6	1.3	0.9	1.2	0.4	0.2	0.3
Petroleum & Coal Products	16.8	1.1	0.7	1.0	0.8	0.6	0.7	0.1	N	0.2
Rubber & Plastics Products	41.9	4.5	1.8	3.8	2.6	1.0	2.6	1.8	0.7	1.0
Leather & Leather Products	17.7	7.4	4.3	7.7	5.2	2.2	4.8	1.8	1.8	2.2

Industry	Employment (Thousands)	Separation Rates								
		Total			Quits			Layoffs		
		Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979
All Manufacturing	1,374.3	3.4	3.1	3.1	0.9	0.6	1.0	1.7	2.0	1.4
Durable Goods	846.9	3.2	3.0	2.7	0.6	0.4	0.7	1.8	2.0	1.1
Furniture & Fixtures	20.3	5.3	3.6	5.0	1.2	1.1	2.1	3.3	1.8	1.8
Stone, Clay & Glass Products	62.7	4.0	3.9	4.1	0.5	0.3	0.7	2.9	3.2	2.8
Primary Metal Industries	198.7	2.9	3.7	2.4	0.4	0.3	0.4	1.7	2.9	1.0
Fabricated Metal Products	115.9	4.2	3.9	3.2	0.6	0.5	0.8	2.9	2.8	1.6
Machinery, exc. Electrical	146.7	1.6	1.1	1.6	0.7	0.4	0.8	0.5	0.3	0.3
Electric & Electronic Equip.	129.2	2.6	1.8	2.4	0.8	0.5	0.7	1.0	0.8	0.9
Transportation Equipment	83.3	3.8	3.0	2.8	0.6	0.3	0.8	1.8	2.2	0.9
Instruments & Related Products	43.1	2.0	1.0	1.6	0.6	0.5	0.7	0.5	0.1	0.2
Miscellaneous Manufacturing	24.7	4.8	5.4	3.8	1.2	0.7	0.7	2.9	4.4	2.2
Nondurable Goods	527.4	3.6	3.3	3.9	1.4	0.9	1.5	1.6	1.9	1.7
Food & Kindred Products	99.3	4.4	3.8	5.2	1.4	1.2	1.6	2.4	1.9	3.0
Textile Mill Products	46.7	3.9	3.3	4.3	1.9	1.2	2.5	1.4	1.5	1.2
Apparel & Related Products	123.7	4.8	5.3	4.9	1.7	0.9	1.5	2.4	3.8	2.3
Paper & Allied Products	43.7	3.1	2.6	3.4	0.8	0.7	0.9	1.5	1.5	1.8
Printing & Publishing	73.3	2.2	1.7	2.9	1.0	0.8	1.2	0.8	0.5	1.1
Chemicals & Allied Products	61.0	1.9	1.2	1.7	0.6	0.4	0.6	0.5	0.5	0.5
Petroleum & Coal Products	16.8	1.2	1.5	1.1	0.4	0.3	0.3	0.4	1.1	0.5
Rubber & Plastics Products	41.9	3.9	3.0	2.7	1.9	0.6	1.2	1.4	1.7	0.8
Leather & Leather Products	17.7	6.1	5.6	6.5	3.5	2.4	3.7	1.8	2.3	2.1

N = Negligible

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
Industry Detail
(Thousands)

SIC	Industry	Total – All Employees			Net Change From –	
		Feb. 1980	Jan. 1980	Feb. 1979	Jan. 1980	Feb. 1979
	TOTAL MANUFACTURING INDUSTRIES	1,369.9	1,374.3	1,375.9	-4.4	-6.0
	TOTAL DURABLE GOODS	842.4	846.9	841.5	-4.5	0.9
24	Lumber & wood products	22.7	22.3	21.4	0.4	1.3
243	Millwork, plywood & structural	7.1	7.1	7.2	0.0	-0.1
	Other lumber & wood products	15.6	15.2	14.2	0.4	1.4
25	Furniture & fixtures	19.8	20.3	20.6	-0.5	-0.8
251	Household furniture	9.4	9.7	9.7	-0.3	-0.3
252	Office furniture	4.7	4.8	5.1	-0.1	-0.4
	Other furniture & fixtures	5.7	5.8	5.8	-0.1	-0.1
32	Stone, clay & glass products	62.9	62.7	62.6	0.2	0.3
322	Glass & glassware, pressed or blown	16.5	16.2	16.6	0.3	-0.1
3221	Glass containers	8.6	8.4	9.1	0.2	-0.5
3229	Other pressed or blown glass	7.9	7.8	7.5	0.1	0.4
324	Hydraulic cement	3.1	3.2	3.5	-0.1	-0.4
325	Structural clay products	6.4	6.5	6.5	-0.1	-0.1
326	Pottery & related products	5.1	5.2	5.1	-0.1	0.0
327	Concrete, gypsum & plaster products	8.4	8.5	7.6	-0.1	0.8
	Other stone, clay & glass products	23.4	23.1	23.3	0.3	0.1
33	Primary metal industries	197.6	198.7	200.8	-1.1	-3.2
331	Blast furnace & basic steel products	147.5	148.5	149.6	-1.0	-2.1
3312	Blast furnaces & steel mills	134.4	135.4	136.7	-1.0	-2.3
	Other basic steel products	13.1	13.1	12.9	0.0	0.2
332	Iron & steel foundries	20.6	20.5	20.6	0.1	0.0
3321	Gray iron foundries	8.0	8.0	8.1	0.0	-0.1
3325	Steel foundries, n.e.c.	7.6	7.5	7.4	0.1	0.2
3322,4	Malleable iron & steel invest.	5.0	5.0	5.1	0.0	-0.1
335	Nonferrous rolling & drawing	12.9	13.1	12.9	-0.2	0.0
336	Nonferrous foundries	7.7	7.7	7.7	0.0	0.0
	Other primary metal products	8.9	8.9	10.0	0.0	-1.1
34	Fabricated metal products,(incl. ordnance)	115.7	115.9	115.6	-0.2	0.1
341	Metal cans & shipping containers	5.0	4.9	5.1	0.1	-0.1
342	Cutlery, hand tools & hardware	7.7	7.8	7.8	-0.1	-0.1
343	Plumbing & heating exc. electrical	3.4	3.7	3.6	-0.3	-0.2
344	Fabricated structural metal products	36.7	36.9	36.0	-0.2	0.7
3441	Fabricated structural metal	9.1	9.5	9.0	-0.4	0.1
3443	Fabricated plate work (boiler shops)	11.3	11.3	11.3	0.0	0.0
	Other fabricated struct. metal products	16.3	16.1	15.7	0.2	0.6
345	Screw machine products, bolts, etc.	9.2	9.2	8.9	0.0	0.3
346	Metal forgings & stampings	21.1	20.6	21.5	0.5	-0.4
3462	Iron & steel forgings	6.6	6.6	6.4	0.0	0.2
	Other metal forgings & stampings	14.5	14.0	15.1	0.5	-0.6
347,8	Metal services & ordnance, n.e.c.	8.1	8.1	8.2	0.0	-0.1
349	Misc. fabricated metal products	24.5	24.7	24.5	-0.2	0.0
3494	Valves & pipe fittings	11.1	11.0	10.8	0.1	0.3
	Other misc. fabricated metal products	13.4	13.7	13.7	-0.3	-0.3
35	Machinery, exc. electrical	146.8	146.7	140.7	0.1	6.1
351	Engines & turbines	7.3	7.2	7.6	0.1	-0.3
352	Farm & garden machinery	4.7	4.7	4.4	0.0	0.3
353	Construction & related machinery	26.0	26.1	25.7	-0.1	0.3
3531	Construction machinery	9.3	9.5	9.6	-0.2	-0.3
3535	Conveyors & conveying equipment	3.4	3.4	3.6	0.0	-0.2
	Other construction & related machinery	13.3	13.2	12.5	0.1	0.8
354	Metal working machinery	24.7	24.6	22.2	0.1	2.5
355	Special industry machinery	13.7	13.7	13.0	0.0	0.7
356	General industrial machinery	30.1	30.0	29.5	0.1	0.6
3561	Pumps & pumping equipment	4.1	4.0	3.9	0.1	0.2
3562	Ball & roller bearings	4.4	4.4	4.4	0.0	0.0
3563	Air & gas compressors	5.4	5.4	5.4	0.0	0.0
3567	Industrial furnaces & ovens	4.1	4.2	4.0	-0.1	0.1
	Other general industrial machinery	12.1	12.0	11.8	0.1	0.3

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
(cont.)
Industry Detail
(Thousands)

SIC Code	Industry	Total – All Employees			Net Change –	
		Feb. 1980	Jan. 1980	Feb. 1979	Jan. 1980	Feb. 1979
357	Office and computing machines	12.9	12.9	12.4	0.0	0.5
358	Refrigeration & service industry machinery	12.0	12.2	11.7	-0.2	0.3
359	Misc. machinery, exc. electrical	15.4	15.3	14.2	0.1	1.2
36	Electric & electronic equipment	127.1	129.2	125.7	-2.1	1.4
361	Electric distributing equipment	18.7	19.2	20.5	-0.5	-1.8
3612	Transformers	6.4	6.4	6.4	0.0	0.0
3613	Switchgear & switchboard apparatus	12.3	12.8	14.1	-0.5	-1.8
362	Electrical industrial apparatus	24.1	23.9	23.9	0.2	0.2
363	Household appliances	4.6	4.6	4.8	0.0	-0.2
364	Electric lighting & wiring equipment	22.4	23.0	22.1	-0.6	0.3
3643	Current-carrying wiring devices	11.0	11.5	11.1	-0.5	-0.1
	Other electric light & wiring equipment	11.4	11.5	11.0	-0.1	0.3
366	Communication equipment	9.0	9.4	8.6	-0.4	0.4
367	Electronic components & accessories	37.4	37.3	34.7	0.1	2.7
3674	Semiconductors & related devices	12.8	12.6	11.0	0.2	1.8
	Other electronic components & accessories	24.6	24.7	23.7	-0.1	0.9
	Other electrical equipment & supplies	10.9	11.8	11.1	-0.9	-0.2
37	Transportation equipment	82.0	83.3	85.8	-1.3	-3.8
371	Motor vehicles & equipment	24.9	25.9	32.2	-1.0	-7.3
3714	Motor vehicle parts & accessories	11.1	12.0	12.7	-0.9	-1.6
	Other motor vehicles & equipment	13.8	13.9	19.5	-0.1	-5.7
372	Aircraft & parts	12.2	12.2	11.5	0.0	0.7
373	Ship & boat building & repairing	7.8	8.1	7.6	-0.3	0.2
374	Railroad equipment	24.1	24.4	23.3	-0.3	0.8
	Other transportation equipment	13.0	12.7	11.2	0.3	1.8
38	Instruments & related products	43.1	43.1	42.3	0.0	0.8
382	Measuring & controlling devices	23.8	23.9	23.4	-0.1	0.4
384	Medical instruments & supplies	11.6	11.6	11.6	0.0	0.0
	Other instruments & related products	7.7	7.6	7.3	0.1	0.4
39	Miscellaneous manufacturing industries	24.7	24.7	26.0	0.0	-1.3
	TOTAL NONDURABLE GOODS	527.5	527.4	534.4	0.1	-6.9
20	Food & kindred products	97.9	99.3	97.6	-1.4	0.3
201	Meat products	16.7	16.5	15.7	0.2	1.0
2011	Meat packing plants	5.4	5.4	5.1	0.0	0.3
2013	Sausages & other prepared meats	5.7	5.6	5.6	0.1	0.1
2016,7	Poultry dressing & processing	5.6	5.5	5.0	0.1	0.6
202	Dairy products	11.5	11.2	11.4	0.3	0.1
2026	Fluid milk	6.7	6.7	6.8	0.0	-0.1
	Other dairy products	4.8	4.5	4.6	0.3	0.2
203	Preserved fruits & vegetables	11.9	13.5	12.8	-1.6	-0.9
2033	Canned fruits & vegetables	5.0	6.1	5.6	-1.1	-0.6
	Other preserved fruits & vegetables	6.9	7.4	7.2	-0.5	-0.3
204	Grain mill products	5.2	5.0	4.7	0.2	0.5
205	Bakery products	19.5	19.5	19.6	0.0	-0.1
2051	Bread, cake & related products	14.7	14.8	15.0	-0.1	-0.3
2052	Cookies & crackers	4.8	4.7	4.6	0.1	0.2
206	Sugar & confectionery products	15.4	15.7	15.6	-0.3	-0.2
2065	Confectionery products	6.1	6.1	6.4	0.0	-0.3
2066	Chocolate & cocoa products	6.2	6.5	5.9	-0.3	0.3
	Other sugar products	3.1	3.1	3.3	0.0	-0.2
208	Beverages	9.2	9.5	9.4	-0.3	-0.2
	Other food & kindred products	8.5	8.4	8.4	0.1	0.1
21	Tobacco manufacturers	3.2	3.3	3.8	-0.1	-0.6
22	Textile mill products	47.1	46.7	49.1	0.4	-2.0
222	Weaving mills, synthetics	4.4	4.4	4.6	0.0	-0.2
225	Knitting mills	24.0	23.5	24.6	0.5	-0.6
2253	Knit outerwear mills	12.2	11.9	12.8	0.3	-0.6
2254	Knit underwear mills	4.9	4.8	5.1	0.1	-0.2
	Other knitting mills	6.9	6.8	6.7	0.1	0.2
227	Floor covering mills	3.6	3.7	4.1	-0.1	-0.5
228	Yarn & thread mills	4.9	4.8	5.3	0.1	-0.4
	Other textile mill products	10.2	10.3	10.5	-0.1	-0.3

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

(concl.)

Industry Detail

(Thousands)

SIC	Industry	Total – All Employees			Net Change From –	
		Feb. 1980	Jan. 1980	Feb. 1979	Jan. 1980	Feb. 1979
23	Apparel & other textile products	126.0	123.7	132.5	2.3	-6.5
231	Mens & boys suits & coats	14.9	14.9	15.5	0.0	-0.6
232	Mens & boys furnishings	24.1	24.3	25.1	-0.2	-1.0
2321	Mens & boys shirts & nightwear	8.9	9.1	9.4	-0.2	-0.5
2327	Mens & boys separate trousers	6.1	6.1	6.3	0.0	-0.2
	Other furnishings and work clothing	9.1	9.1	9.4	0.0	-0.3
233	Womens & misses outerwear	57.6	55.9	61.8	1.7	-4.2
234	Women & childrens undergarments	10.0	9.6	10.2	0.4	-0.2
236	Childrens outerwear	7.0	7.1	7.6	-0.1	-0.6
	Other apparel & textile products	12.4	11.9	12.3	0.5	0.1
26	Paper & allied products	43.7	43.7	44.5	0.0	-0.8
262	Paper mills exc. building paper	11.9	11.8	12.0	0.1	-0.1
265	Paper board containers & boxes	14.6	14.9	15.2	-0.3	-0.6
2653	Corrugated & solid fiber boxes	7.8	8.0	8.0	-0.2	-0.2
	Other paperboard containers	6.8	6.9	7.2	-0.1	-0.4
	Other paper & allied products	17.2	17.0	17.3	0.2	-0.1
27	Printing & publishing	74.0	73.3	71.3	0.7	2.7
271	Newspapers	26.5	25.9	25.3	0.6	1.2
273	Books	8.1	8.1	8.0	0.0	0.1
275	Commercial printing	21.0	20.8	20.3	0.2	0.7
2752	Lithographing	10.5	10.3	10.0	0.2	0.5
	Other commercial printing	10.5	10.5	10.3	0.0	0.2
276	Manifold business forms	3.8	3.9	3.7	-0.1	0.1
	Other printing & publishing	14.6	14.6	14.0	0.0	0.6
28	Chemicals & allied products	61.1	61.0	60.0	0.1	1.1
281	Industrial inorganic chemicals	11.2	11.1	10.6	0.1	0.6
282	Plastic materials & synthetics	8.7	8.6	8.6	0.1	0.1
283	Drugs	17.3	17.3	16.8	0.0	0.5
284	Soap, cleaners & toliet goods	3.2	3.1	3.2	0.1	0.0
285	Paints & allied products	4.2	4.3	4.4	-0.1	-0.2
	Other chemical & allied products	16.5	16.6	16.4	-0.1	0.1
29	Petroleum & coal products	16.0	16.8	16.3	-0.8	-0.3
291	Petroleum refining	12.4	13.4	13.0	-1.0	-0.6
	Other petroleum & coal products	3.6	3.4	3.3	0.2	0.3
30	Rubber & misc. plastic products	41.0	41.9	41.1	-0.9	-0.1
301	Tires & inner tubes	7.1	7.7	7.9	-0.6	-0.8
306	Fabricated rubber products	5.2	5.3	5.3	-0.1	-0.1
	Other rubber & plastic products, n.e.c.	28.7	28.9	27.9	-0.2	0.8
31	Leather & leather products	17.5	17.7	18.2	-0.2	-0.7
314	Footwear, exc. rubber	13.7	13.7	14.0	0.0	-0.3
3143	Mens footwear, exc. athletic	5.3	5.2	5.5	0.1	-0.2
3144	Womens footwear, exc. athletic	4.6	4.7	4.7	-0.1	-0.1
	Other footwear	3.8	3.8	3.8	0.0	0.0
	Other leather & leather products	3.8	4.0	4.2	-0.2	-0.4

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES

Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979
TOTAL MANUFACTURING INDUSTRIES	$285.43	$285.38	$271.32	39.1	39.2	39.9	$7.30	$7.28	$6.80
TOTAL DURABLE GOODS	322.00	322.81	308.92	40.0	40.2	41.3	8.05	8.03	7.48
Lumber & wood products	212.94	203.04	190.22	39.0	37.6	38.9	5.46	5.40	4.89
Millwork, plywood & structural	210.86	209.55	203.43	38.2	38.1	39.5	5.52	5.50	5.15
Other lumber & wood products	214.34	200.09	183.35	39.4	37.4	38.6	5.44	5.35	4.75
Furniture & fixtures	235.01	236.61	207.81	39.3	39.9	38.2	5.98	5.93	5.44
Household furniture	206.36	210.79	188.75	38.5	39.4	37.6	5.36	5.35	5.02
Office furniture	254.15	244.22	230.10	39.1	38.4	39.2	6.50	6.36	5.87
Other furniture & fixtures	270.03	268.21	220.80	41.1	41.2	38.2	6.57	6.51	5.78
Stone, clay & glass products	311.22	310.06	285.23	42.0	41.9	41.7	7.41	7.40	6.84
Glass & glassware, pressed or blown	281.91	288.15	268.49	39.1	39.8	39.6	7.21	7.24	6.78
Glass containers	262.77	277.14	291.62	35.8	37.3	41.6	7.34	7.43	7.01
Other pressed or blown glass	300.33	298.35	241.33	42.3	42.2	37.3	7.10	7.07	6.47
Hydraulic cement	362.23	387.03	364.90	37.0	39.9	41.0	9.79	9.70	8.90
Structural clay products	284.38	278.28	255.56	42.7	42.1	40.5	6.66	6.61	6.31
Pottery & related products	283.96	277.97	264.45	42.7	41.8	43.0	6.65	6.65	6.15
Concrete, gypsum & plaster prods.	274.22	267.11	251.37	39.4	38.6	39.4	6.96	6.92	6.38
Other stone, clay & glass prods.	370.19	361.56	320.47	46.8	46.0	45.2	7.91	7.86	7.09
Primary metal industries	384.27	386.32	384.14	37.6	37.8	41.8	10.22	10.22	9.19
Blast furnace & basic steel prods.	406.56	410.65	414.81	36.3	36.6	41.9	11.20	11.22	9.90
Blast furnaces & steel mills	410.27	413.28	419.50	35.8	36.0	41.7	11.46	11.48	10.06
Other basic steel products	369.35	379.53	361.44	41.5	42.5	43.6	8.90	8.93	8.29
Iron & steel foundries	319.99	308.89	291.37	39.8	39.5	40.3	8.04	7.82	7.23
Gray iron foundries	300.05	302.19	279.09	39.9	40.4	39.7	7.52	7.48	7.03
Steel foundries, n.e.c.	310.42	308.46	298.90	38.9	38.8	39.8	7.98	7.95	7.51
Malleable iron & steel invest.	366.13	319.80	299.29	41.0	39.0	41.8	8.93	8.20	7.16
Nonferrous rolling & drawing	334.85	336.76	311.28	41.7	42.2	42.7	8.03	7.98	7.29
Nonferrous foundries	296.35	301.53	271.97	43.2	43.7	42.1	6.86	6.90	6.46
Other primary metal products	319.29	316.30	309.60	42.8	42.4	43.3	7.46	7.46	7.15
Fabricated metal prods., incl. ordn.	297.75	296.38	281.11	40.4	40.6	40.8	7.37	7.30	6.89
Metal cans & shipping containers	339.01	352.64	353.72	40.6	42.9	45.7	8.35	8.22	7.74
Cutlery, hand tools & hardware	245.02	242.99	220.80	40.3	39.9	38.2	6.08	6.09	5.78
Plumbing & heating exc. electrical	291.90	305.55	255.02	42.8	45.2	41.0	6.82	6.76	6.22
Fabricated structural metal prods.	282.89	286.94	257.80	39.9	40.3	39.6	7.09	7.12	6.51
Fabricated struct. metal	278.08	277.61	279.37	35.2	34.4	37.6	7.90	8.07	7.43
Fab. plate work (boiler shops)	294.28	300.89	273.03	41.1	42.2	42.2	7.16	7.13	6.47
Other fab. struct. metal prods.	278.56	282.81	235.35	41.7	42.4	38.9	6.68	6.67	6.05
Screw machine products, bolts, etc.	291.10	275.09	259.34	41.0	40.1	41.1	7.10	6.86	6.31
Metal forgings & stampings	356.80	353.33	354.46	39.6	39.7	42.4	9.01	8.90	8.36
Iron & steel forgings	320.21	325.78	318.12	42.3	42.2	43.4	7.57	7.72	7.33
Other metal forgings & stampings	369.40	363.56	367.11	38.6	38.8	42.1	9.57	9.37	8.72
Metal services & ordnance, n.e.c.	282.32	290.00	258.40	42.2	42.9	40.0	6.69	6.76	6.46
Misc. fabricated metal products	284.38	277.38	271.10	40.8	40.2	41.2	6.97	6.90	6.58
Valves & pipe fittings	287.85	281.08	268.87	40.6	39.7	40.8	7.09	7.08	6.59
Other misc. fab. metal products	281.39	274.86	272.66	40.9	40.6	41.5	6.88	6.77	6.57
Machinery, exc. electrical	324.90	329.80	306.00	41.6	42.5	42.5	7.81	7.76	7.20
Engines & turbines	271.83	297.40	299.63	36.1	39.6	41.5	7.53	7.51	7.22
Farm & garden machinery	436.46	423.80	380.24	50.4	49.8	49.0	8.66	8.51	7.76
Construction & related machinery	320.10	327.89	321.02	38.8	39.6	41.8	8.25	8.28	7.68
Construction machinery	324.76	338.14	332.77	37.2	38.6	41.7	8.73	8.76	7.98
Conveyors & conveying equipment	315.84	281.76	253.26	42.0	40.6	40.2	7.52	6.94	6.30
Other constr. & related mach.	317.59	325.22	320.72	39.6	40.3	42.2	8.02	8.07	7.60
Metal working machinery	318.80	335.71	308.18	39.9	41.6	41.2	7.99	8.07	7.48
Special industry machinery	320.63	324.09	285.36	42.3	42.7	41.0	7.58	7.59	6.96
General industrial machinery	346.30	349.72	314.92	44.8	45.3	43.8	7.73	7.72	7.19
Pumps & pumping equipment	319.42	309.26	284.93	41.7	41.4	41.4	7.66	7.47	6.88
Ball & roller bearings	328.86	339.89	314.89	44.5	45.5	42.9	7.39	7.47	7.34
Air & gas compressors	389.77	402.12	328.27	48.6	49.4	46.3	8.02	8.14	7.09
Industrial furnaces & ovens	294.08	301.45	291.51	37.8	39.2	40.6	7.78	7.69	7.18
Other general industrial mach.	354.95	356.20	321.01	45.8	46.2	44.4	7.75	7.71	7.23
Office and computing machines	362.46	345.31	343.53	42.0	43.6	45.5	8.63	7.92	7.55
Refrigeration & serv. ind. mach.	259.52	258.80	241.19	39.5	40.0	40.4	6.57	6.47	5.97
Misc. machinery, exc. electrical	320.14	317.46	293.43	42.8	42.9	43.6	7.48	7.40	6.73

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES

(cont.)

Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979
Electric. & electronic equipment	$285.31	$281.48	$260.58	40.7	40.5	40.4	$7.01	$6.95	$6.45
Electric distributing equipment	328.84	316.37	305.52	40.2	40.2	40.9	8.18	7.87	7.47
Transformers	304.24	304.84	303.30	37.7	38.2	42.9	8.07	7.98	7.07
Switchgear & switchbrd apparatus	341.55	322.97	306.03	41.5	41.3	39.9	8.23	7.82	7.67
Electrical industrial apparatus	273.74	272.74	267.33	39.5	39.3	39.9	6.93	6.94	6.70
Household appliances	258.61	244.26	225.76	38.2	34.5	34.0	6.77	7.08	6.64
Electric lighting & wiring equip.	284.86	272.12	247.04	42.9	41.8	40.9	6.64	6.51	6.04
Current-carrying wiring devices	314.55	287.77	248.87	46.6	43.8	41.0	6.75	6.57	6.07
Other elect lght & wirng equip.	266.99	261.63	245.62	40.7	40.5	40.8	6.56	6.46	6.02
Communication equipment	324.78	318.78	297.36	42.4	41.4	42.0	7.66	7.70	7.08
Electronic components & access.	283.56	287.38	249.04	41.7	42.2	41.3	6.80	6.81	6.03
Semiconductors & related devices	370.40	382.58	317.52	44.2	45.6	43.2	8.38	8.39	7.35
Other electronic comp.& access.	239.98	241.57	219.11	40.4	40.6	40.5	5.94	5.95	5.41
Other electrical equip. & supplies	240.83	241.70	238.29	36.6	37.3	39.0	6.58	6.48	6.11
Transportation equipment	348.80	353.87	339.81	40.7	41.1	41.9	8.57	8.61	8.11
Motor vehicles & equipment	339.60	345.15	372.82	38.2	39.0	43.1	8.89	8.85	8.65
Motor vehicle parts & access.	342.90	350.49	386.26	38.1	38.9	44.5	9.00	9.01	8.68
Other motor vehicles & equip.	336.27	339.78	362.90	38.3	39.1	42.1	8.78	8.69	8.62
Aircraft & parts	358.68	365.08	320.38	42.0	42.9	42.1	8.54	8.51	7.61
Ship & boat building & repairing	371.70	346.94	296.40	45.0	41.5	40.0	8.26	8.36	7.41
Railroad equipment	363.37	375.05	336.60	39.8	40.9	40.8	9.13	9.17	8.25
Other transportation equipment	307.78	316.89	275.60	44.8	45.4	42.4	6.87	6.98	6.50
Instruments & related products	270.00	270.68	255.37	40.0	40.4	40.6	6.75	6.70	6.29
Measuring & controlling devices	291.75	292.88	277.02	41.5	41.9	42.1	7.03	6.99	6.58
Medical instruments & supplies	234.25	234.74	221.38	37.6	37.8	38.5	6.23	6.21	5.75
Other instruments & related prods.	254.67	252.45	244.51	39.0	39.2	39.5	6.53	6.44	6.19
Misc. manufacturing industries	263.61	275.06	255.67	39.7	41.3	40.2	6.64	6.66	6.36
TOTAL NONDURABLE GOODS	228.84	227.10	212.06	37.7	37.6	37.6	6.07	6.04	5.64
Food & kindred products	260.68	259.24	240.34	39.2	39.7	39.4	6.65	6.53	6.10
Meat products	270.01	275.33	249.90	40.3	42.1	40.7	6.70	6.54	6.14
Meat packing plants	302.62	309.46	286.75	39.2	40.4	41.8	7.72	7.66	6.86
Sausages & other prepared meats	298.72	303.28	276.71	37.2	38.1	39.7	8.03	7.96	6.97
Poultry dressing & processing	216.43	221.84	187.92	43.9	47.0	40.5	4.93	4.72	4.64
Dairy products	280.30	285.34	258.95	41.1	41.9	41.3	6.82	6.81	6.27
Fluid milk	285.52	287.99	261.04	41.2	41.2	41.7	6.93	6.99	6.26
Other dairy products	276.34	282.81	256.44	41.0	42.4	40.9	6.74	6.67	6.27
Preserved fruits & vegetables	213.00	200.78	196.54	35.5	35.6	36.6	6.00	5.64	5.37
Canned fruits & vegetables	171.77	174.11	157.16	34.7	36.5	35.8	4.95	4.77	4.39
Other preserved fruits & vegs.	246.88	225.85	237.00	36.2	34.8	37.5	6.82	6.49	6.32
Grain mill products	320.32	303.26	265.68	44.8	43.2	40.5	7.15	7.02	6.56
Bakery products	245.22	250.19	223.02	38.8	39.4	37.8	6.32	6.35	5.90
Bread, cake & related products	241.92	245.97	226.35	37.8	37.9	38.3	6.40	6.49	5.91
Cookies & crackers	253.59	259.19	212.27	41.1	42.7	36.1	6.17	6.07	5.88
Sugar & confectionery products	262.07	259.72	245.85	37.6	37.9	38.9	6.97	6.80	6.32
Confectionery products	210.00	218.64	207.95	35.0	36.5	37.2	6.00	5.99	5.59
Chocolate & cocoa products	291.40	281.56	263.97	39.7	39.6	40.3	7.34	7.11	6.55
Other sugar products	319.51	298.62	301.15	39.3	37.8	40.1	8.13	7.90	7.51
Beverages	323.59	313.62	312.80	39.9	39.4	42.1	8.11	7.96	7.43
Other food & kindred products	225.44	241.50	226.32	39.9	42.0	41.3	5.65	5.75	5.48
Tobacco manufacturers	164.64	169.92	148.23	38.2	39.7	38.5	4.31	4.28	3.85
Textile mill products	189.20	191.12	171.00	38.3	38.5	37.5	4.94	4.99	4.56
Weaving mills, synthetics	229.44	227.08	185.14	44.9	44.7	39.9	5.11	5.08	4.64
Knitting mills	173.22	177.97	158.48	36.7	37.0	36.1	4.72	4.81	4.39
Knit outerwear mills	169.05	175.31	153.39	36.2	36.6	35.1	4.67	4.79	4.37
Knit underwear mills	157.79	156.29	150.92	35.7	35.2	36.9	4.42	4.44	4.09
Other knitting mills	191.50	199.14	175.77	38.3	39.2	37.8	5.00	5.08	4.65
Floor covering mills	224.82	224.44	229.87	38.3	38.3	42.1	5.87	5.86	5.46
Yarn & thread mills	178.32	178.77	155.03	37.7	37.4	37.0	4.73	4.78	4.19
Other textile mill products	206.04	206.96	185.37	39.7	39.8	38.7	5.19	5.20	4.79

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES (concl.)

Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979
Apparel & other textile products	$152.71	$149.12	$141.57	32.7	32.0	33.0	$4.67	$4.66	$4.29
Mens & boys suits & coats	206.06	208.62	185.15	36.6	36.6	35.2	5.63	5.70	5.26
Mens & boys furnishings	157.50	154.91	144.58	35.0	34.5	34.1	4.50	4.49	4.24
Mens & boys shirts & nightwear	155.14	149.60	144.77	35.1	34.0	34.8	4.42	4.40	4.16
Mens & boys separate trousers	159.54	170.86	143.68	32.1	33.9	31.1	4.97	5.04	4.62
Other furnishings & wrk. clothng	157.81	149.32	145.20	36.7	35.3	35.5	4.30	4.23	4.09
Womens & misses outerwear	143.53	137.21	135.56	30.8	29.7	31.6	4.66	4.62	4.29
Women & childrens undergarments	132.80	127.19	127.02	33.2	32.2	34.8	4.00	3.95	3.65
Childrens outerwear	137.34	136.19	125.33	29.6	29.8	33.6	4.64	4.57	3.73
Other apparel & textile products	147.80	143.01	128.80	33.9	32.8	32.2	4.36	4.36	4.00
Paper & allied products	298.32	305.55	282.24	44.0	45.0	44.1	6.78	6.79	6.40
Paper mills exc. building paper	388.46	396.40	360.83	47.2	48.4	46.8	8.23	8.19	7.71
Paper board containers & boxes	277.70	282.35	251.93	40.6	41.4	40.7	6.84	6.82	6.19
Corrugated & solid fiber boxes	277.53	282.10	261.71	38.6	39.4	38.6	7.19	7.16	6.78
Other paperboard containers	277.99	282.30	241.39	42.9	43.7	42.8	6.48	6.46	5.64
Other paper & allied products	265.78	276.54	266.56	45.2	46.4	45.8	5.88	5.96	5.82
Printing & publishing	274.87	274.91	252.74	36.6	37.0	35.9	7.51	7.43	7.04
Newspapers	288.64	283.59	264.99	32.8	32.3	33.0	8.80	8.78	8.03
Books	220.17	219.49	204.33	35.8	36.1	36.1	6.15	6.08	5.66
Commercial printing	285.77	292.43	271.93	37.9	39.2	37.2	7.54	7.46	7.31
Lithographing	287.60	283.14	263.14	38.5	39.0	36.7	7.47	7.26	7.17
Other commercial printing	284.99	301.02	280.12	37.4	39.4	37.6	7.62	7.64	7.45
Manifold business forms	296.94	274.51	265.73	40.4	38.5	38.4	7.35	7.13	6.92
Other printing & publishing	273.18	277.03	239.70	38.1	38.8	36.1	7.17	7.14	6.64
Chemicals & allied products	308.26	308.35	291.81	41.6	41.5	42.6	7.41	7.43	6.85
Industrial inorganic chemicals	330.44	336.73	324.47	44.0	44.6	45.7	7.51	7.55	7.10
Plastic materials & synthetics	313.59	318.42	273.88	41.1	41.3	41.0	7.63	7.71	6.68
Drugs	288.42	291.83	288.64	38.0	38.5	41.0	7.59	7.58	7.04
Soap, cleaners & toliet goods	285.89	281.22	261.16	44.6	43.6	43.6	6.41	6.45	5.99
Paints & allied products	268.28	263.89	276.27	36.5	36.1	42.7	7.35	7.31	6.47
Other chemical & allied products	324.87	318.56	293.35	44.2	43.4	42.7	7.35	7.34	6.87
Petroleum & coal products	410.22	312.36	389.73	43.0	34.9	42.5	9.54	8.95	9.17
Petroleum refining	422.35	309.40	412.68	41.9	32.5	42.5	10.08	9.52	9.71
Other petroleum & coal products	367.07	329.00	305.87	47.0	46.8	42.6	7.81	7.03	7.18
Rubber & misc. plastic products	238.80	245.42	238.79	40.0	40.7	41.1	5.97	6.03	5.81
Tires & inner tubes	357.42	381.43	375.67	42.0	45.3	46.9	8.51	8.42	8.01
Fabricated rubber products	273.61	277.30	264.69	41.9	42.4	42.9	6.53	6.54	6.17
Other rubber & plastic prods.,nec	204.62	207.11	197.06	39.2	39.3	39.1	5.22	5.27	5.04
Leather & leather products	173.60	172.80	145.04	40.0	40.0	35.9	4.34	4.32	4.04
Footwear, exc. rubber	161.41	161.82	130.99	38.8	38.9	34.2	4.16	4.16	3.83
Mens footwear, exc. athletic	182.71	176.66	142.40	42.1	40.8	36.7	4.34	4.33	3.88
Womens footwear, exc. athletic	151.26	157.59	122.36	38.1	39.3	32.2	3.97	4.01	3.80
Other footwear	143.79	145.20	126.25	34.9	35.5	33.4	4.12	4.09	3.78
Other leather & leather products	217.07	210.63	192.19	44.3	43.7	41.6	4.90	4.82	4.62
SELECTED NONMANUFACTURING INDUSTRIES									
Anthracite Mining	360.45	373.65	314.29	45.8	48.4	41.3	7.87	7.72	7.61
Bituminous coal & lignite mining	359.46	383.33	344.42	33.5	35.2	33.8	10.73	10.89	10.19
Nonmetallic minerals, exc. fuels	334.41	312.90	300.18	43.6	42.0	42.7	7.67	7.45	7.03
Communication	336.96	340.73	317.19	39.0	39.3	39.5	8.64	8.67	8.03
Electric, gas, & sanitary services	396.93	400.95	383.11	44.8	45.0	44.6	8.86	8.91	8.59
Electric services	407.16	417.66	386.98	46.8	47.3	46.4	8.70	8.83	8.34
Gas production & distribution	350.02	349.49	323.23	43.0	43.2	41.6	8.14	8.09	7.77
General merchandise stores	127.59	124.45	116.99	26.2	26.2	25.6	4.87	4.75	4.57
Banking	180.61	178.70	161.81	INA	INA	INA	INA	INA	INA
Insurance carriers	218.26	214.37	202.09	INA	INA	INA	INA	INA	INA
Life insurance	201.87	199.64	188.33	INA	INA	INA	INA	INA	INA
Fire, marine & casualty ins.	217.96	212.41	203.12	INA	INA	INA	INA	INA	INA

TABLE 7. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS IN SELECTED MANUFACTURING GROUPS

Industry Detail

Year and Month	All Manufacturing			All Durable Goods			All Nondurable Goods			Primary Metals		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1973	$167.23	40.2	$4.16	$187.17	41.5	$4.51	$139.03	38.3	$3.63	$212.38	41.4	$5.13
1974	180.97	39.6	4.57	203.45	41.1	4.95	146.59	37.3	3.93	239.61	41.1	5.83
1975	193.22	38.8	4.98	217.60	40.0	5.44	159.22	37.2	4.28	253.37	39.1	6.48
1976	210.11	39.2	5.36	236.16	40.3	5.86	172.58	37.6	4.59	279.89	39.7	7.05
1977	231.08	39.5	5.85	260.48	40.7	6.40	188.62	37.8	4.99	308.07	39.7	7.76
1978	254.80	40.0	6.37	289.10	41.3	7.00	204.60	38.1	5.37	356.10	41.6	8.56
1979	278.10	39.9	6.97	316.83	41.2	7.69	219.06	37.9	5.78	397.16	41.5	9.57
1979 Feb.	271.32	39.9	6.80	308.92	41.3	7.48	212.06	37.6	5.64	384.14	41.8	9.19
Mar.	274.44	40.3	6.81	313.50	41.8	7.50	215.65	38.1	5.66	387.74	42.1	9.21
Apr.	265.30	38.9	6.82	301.50	40.2	7.50	209.59	36.9	5.68	396.68	42.2	9.40
May	273.14	39.7	6.88	311.54	41.1	7.58	215.27	37.7	5.71	387.39	41.3	9.38
Jun.	278.29	40.1	6.94	316.30	41.4	7.64	218.12	38.0	5.74	397.00	42.1	9.43
Jul.	277.31	39.9	6.95	313.65	41.0	7.65	221.37	38.3	5.78	397.00	42.1	9.43
Aug.	279.49	39.7	7.04	317.79	40.9	7.77	221.92	38.0	5.84	399.75	41.0	9.75
Sep.	285.51	40.1	7.12	323.42	41.2	7.85	225.00	38.2	5.89	407.12	41.5	9.81
Oct.	284.57	39.8	7.15	323.05	41.1	7.86	224.37	37.9	5.92	397.39	40.8	9.74
Nov.	294.19	40.3	7.30	334.88	41.6	8.05	230.78	38.4	6.01	425.60	41.2	10.33
Dec.	291.34	39.8	7.32	329.65	40.9	8.06	231.87	38.2	6.07	408.35	39.8	10.26
1980 Jan.	285.38	39.2	7.28	322.81	40.2	8.03	227.10	37.6	6.04	386.32	37.8	10.22
Feb.	285.43	39.1	7.30	322.00	40.0	8.05	228.84	37.7	6.07	384.27	37.6	10.22

Year and Month	Fabricated Metal Products			Machinery Except Electrical			Electric & Electronic Equip.			Transportation Equipment		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1973	$182.68	41.9	$4.36	$198.77	43.4	$4.58	$167.69	40.8	$4.11	$197.69	41.1	$4.81
1974	196.24	41.4	4.74	209.78	42.9	4.89	175.96	39.9	4.41	215.54	40.9	5.27
1975	208.17	40.5	5.14	222.14	41.6	5.34	191.84	39.8	4.82	234.61	39.9	5.88
1976	223.01	40.4	5.52	241.60	41.8	5.78	206.96	40.5	5.11	254.23	40.1	6.34
1977	246.64	40.7	6.06	262.92	42.0	6.26	225.74	40.6	5.56	289.26	41.8	6.92
1978	264.71	40.6	6.52	291.13	42.5	6.85	247.25	40.6	6.09	315.59	41.8	7.55
1979	285.93	40.5	7.06	311.33	42.3	7.36	266.64	40.4	6.60	348.60	42.0	8.30
1979 Feb.	281.11	40.8	6.89	306.00	42.5	7.20	260.58	40.4	6.45	339.81	41.9	8.11
Mar.	287.04	41.3	6.95	310.17	42.9	7.23	264.68	41.1	6.44	341.88	42.0	8.14
Apr.	261.23	38.7	6.75	286.63	40.2	7.13	250.63	39.1	6.41	311.65	39.4	7.91
May	288.23	41.0	7.03	303.47	41.8	7.26	261.55	40.3	6.49	333.33	41.0	8.13
Jun.	288.36	40.5	7.12	309.33	42.2	7.33	264.31	40.6	6.51	334.15	41.0	8.15
Jul.	282.80	40.0	7.07	303.99	41.7	7.29	259.24	39.7	6.53	334.55	40.7	8.22
Aug.	283.60	40.0	7.09	312.28	42.2	7.40	257.90	39.8	6.48	341.04	40.6	8.40
Sep.	286.80	40.0	7.17	318.33	42.5	7.49	271.62	40.3	6.74	350.26	41.5	8.44
Oct.	292.66	40.2	7.28	321.73	42.5	7.57	273.91	40.4	6.78	355.28	41.7	8.52
Nov.	299.30	41.0	7.30	329.84	43.4	7.60	283.73	41.3	6.87	349.76	41.1	8.51
Dec.	304.79	41.3	7.38	327.76	42.9	7.64	280.95	40.6	6.92	349.61	40.7	8.59
1980 Jan.	296.38	40.6	7.30	329.80	42.5	7.76	281.48	40.5	6.95	353.87	41.1	8.61
Feb.	297.75	40.4	7.37	324.90	41.6	7.81	285.31	40.7	7.01	348.80	40.7	8.57

Year and Month	Food Products			Textile Products			Apparel and Related Products			Printing and Publishing		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1973	$158.36	40.5	$3.91	$120.43	39.1	$3.08	$ 99.71	33.8	$2.95	$180.81	38.8	$4.66
1974	171.68	40.3	4.26	124.74	37.8	3.30	103.02	32.6	3.16	189.52	38.0	4.99
1975	187.80	40.3	4.66	132.42	37.3	3.55	109.20	32.5	3.36	204.58	37.4	5.47
1976	204.22	40.2	5.08	142.12	38.0	3.74	119.55	33.3	3.59	218.82	36.9	5.93
1977	219.89	40.2	5.47	154.37	38.4	4.02	125.95	32.8	3.84	238.52	37.8	6.31
1978	239.95	40.6	5.91	166.12	38.1	4.36	138.28	33.4	4.14	245.95	36.6	6.72
1979	251.20	40.0	6.25	178.26	38.5	4.63	143.44	32.6	4.40	263.87	36.7	7.19
1979 Feb.	240.34	39.4	6.10	171.00	37.5	4.56	141.57	33.0	4.29	252.74	35.9	7.04
Mar.	247.02	40.1	6.16	178.87	38.8	4.61	140.91	33.0	4.27	258.09	36.3	7.11
Apr.	242.09	39.3	6.16	173.58	37.9	4.58	137.03	31.5	4.35	245.70	35.1	7.00
May	248.00	40.0	6.20	180.11	38.9	4.63	139.54	32.3	4.32	254.54	35.8	7.11
Jun.	248.58	39.9	6.23	182.82	39.4	4.64	143.77	32.9	4.37	256.68	36.0	7.13
Jul.	253.49	40.3	6.29	178.31	38.1	4.68	145.25	33.7	4.31	265.27	37.1	7.15
Aug.	256.07	40.2	6.37	180.01	38.3	4.70	142.79	32.6	4.38	266.35	37.2	7.16
Sep.	256.14	40.4	6.34	181.93	38.3	4.75	146.17	32.7	4.47	268.93	37.3	7.21
Oct.	248.77	39.3	6.33	185.85	38.8	4.79	148.98	32.6	4.57	265.70	36.8	7.22
Nov.	261.06	40.6	6.43	188.37	39.0	4.83	149.77	32.7	4.58	276.77	37.3	7.42
Dec.	266.18	40.7	6.54	186.73	38.5	4.85	147.23	31.8	4.63	291.39	38.8	7.51
1980 Jan.	259.24	39.7	6.53	191.12	38.5	4.99	149.12	32.0	4.66	274.91	37.0	7.43
Feb.	260.68	39.2	6.65	189.20	38.3	4.94	152.71	32.7	4.67	274.87	36.6	7.51

TABLES 8 & 9. ACTUAL AND REAL GROSS EARNINGS OF MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA

(1967 = 100)

Annual Averages

Year	Weekly Earnings (1)	Weekly Hours (2)	Hourly Earnings (3)	Hourly Earnings Index (4)	U.S. Consumer Price Index (5)	Real Weekly Earnings (6)	Losses Due To Inflation
1969	$127.52	40.1	$3.18	112.7	109.8	$116.14	$ 11.38
1970	131.71	39.2	3.36	119.1	116.3	113.25	18.46
1971	140.73	39.2	3.59	127.3	121.3	116.02	24.71
1972	154.42	39.8	3.88	137.6	125.3	123.24	31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33
1979	278.10	39.9	6.97	247.2	230.0	120.91	157.19

Real Earnings are computed by adjusting current earnings for changes in The Consumer Price Index (Col 1 ÷ Col. 5)

TABLE 10. EMPLOYMENT, PAYROLLS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS

(Thousands)

Industry	Employment			Weekly Manhours Worked			Weekly Payrolls		
	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979
MANUFACTURING	988.0	993.1	992.2	38,608.6	38,927.2	39,538.5	281,941.7	283,496.3	268,669.6
DURABLE GOODS	601.0	606.1	601.2	24,025.1	24,378.8	24,842.3	193,434.3	195,650.4	185,732.7
NONDUR. GOODS	387.0	387.0	391.0	14,583.5	14,548.4	14,696.2	88,507.4	87,845.9	82,936.9

NOTATION

Resident Data are an estimate of WORKERS by place of residence and include wage and salary workers, self-employed and unpaid family workers, domestic workers, agricultural workers and persons involved in labor-management disputes. These data are derived from the National Current Population Survey (CPS) and do not reflect commuting or dual job holding. Consequently, they are not comparable to establishment based Nonagricultural Wage and Salary data.

Establishment Data are estimates of JOBS by place of work.

Labor-management disputes

Persons involved in labor-management disputes are included in RESIDENT employment counts. They are not included in ESTABLISHMENT data nor are they counted as labor turnover actions. Wherever indicated (#), however, they are added to the Nonagricultural Wage and Salary total to show more accurately the number of jobs held. An asterisk (*) denotes a total significantly affected by a labor-management dispute.

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

Industry Group

(Thousands)

Year and Month	Total Manufacturing	Total Durable Goods	Lumber and Wood Products	Furniture and Fixtures	Stone Clay and Glass	Primary Metals	Fabricated Metals	Machinery Except Electrical
1973	1,480.1	884.7	24.6	23.8	68.3	220.8	126.1	137.2
1974	1,464.5	894.1	22.5	22.6	68.1	226.5	126.6	144.5
1975	1,334.8	813.0	18.7	18.0	60.5	205.5	114.1	141.3
1976	1,335.2	804.5	20.4	18.2	61.4	201.9	111.4	136.4
1977	1,341.5	809.3	21.2	18.9	62.3	199.6	111.3	134.6
1978	1,369.2	828.0	21.9	20.2	63.8	199.2	112.5	137.8
1979	1,389.8	853.9	22.5	20.4	65.0	203.2	116.0	142.5
1979 Feb.	1,375.9	841.5	21.4	20.6	62.6	200.8	115.6	140.7
Mar.	1,381.9	845.8	22.2	20.2	64.2	201.6	115.5	140.9
Apr.	1,389.5	852.0	22.8	20.3	64.3	201.6	116.0	143.6
May	1,392.2	855.2	22.9	20.2	65.0	202.5	115.9	143.4
Jun.	1,409.8	866.4	23.2	20.3	67.1	207.1	116.6	144.6
Jul.	1,397.1	861.9	22.9	19.7	67.0	206.8	114.7	142.9
Aug.	1,340.4	852.0	23.1	20.5	66.4	207.1	116.1	141.1
Sep.	1,398.0	861.5	23.0	20.8	65.6	204.7	116.0	143.2
Oct.	1,394.6	860.0	22.8	20.9	65.0	202.5	116.3	144.0
Nov.	1,390.2	857.2	22.2	20.8	64.5	201.9	116.2	142.5
Dec.	1,383.7	853.0	21.7	20.3	64.6	200.7	116.6	143.4
1980 Jan.	1,374.3	846.9	22.3	20.3	62.7	198.7	115.9	146.7
Feb.	1,369.9	842.4	22.7	19.8	62.9	197.6	115.7	146.8

Year and Month	Electric and Electronic Equipment	Transportation Equipment	Instruments and Related Products	Misc. Manufacturing	Total Nondurable Goods	Food Products	Tobacco Products	Textile Products
1973	144.0	73.3	34.8	31.9	595.4	107.3	7.1	62.8
1974	144.7	72.6	36.1	30.0	570.4	104.0	6.6	58.5
1975	126.0	67.6	34.4	27.0	521.8	99.4	5.0	49.9
1976	124.2	67.1	35.5	28.1	530.7	100.2	4.0	50.4
1977	123.0	73.3	37.3	27.8	532.2	98.8	3.6	49.4
1978	123.9	81.8	40.3	26.6	541.2	99.7	4.0	50.6
1979	127.1	87.8	42.9	26.6	536.0	100.1	3.6	48.4
1979 Feb.	125.7	85.8	42.3	26.0	534.4	97.6	3.8	49.1
Mar.	125.9	86.5	42.6	26.2	536.1	98.4	3.8	48.9
Apr.	127.0	86.9	43.0	26.5	537.5	98.7	3.7	48.9
May	128.8	87.1	43.1	26.3	537.0	98.0	3.7	48.6
Jun.	128.3	88.4	43.7	27.1	543.4	99.6	3.7	49.1
Jul.	129.1	88.5	43.4	26.9	535.2	99.9	3.6	47.6
Aug.	119.4	87.5	43.4	27.4	538.4	101.7	3.5	48.4
Sep.	128.9	89.4	42.8	27.1	536.5	102.2	3.4	48.2
Oct.	128.4	90.1	42.7	27.3	534.6	102.2	3.3	48.0
Nov.	129.2	90.4	42.8	26.7	533.0	101.4	3.3	48.1
Dec.	128.9	88.1	42.8	25.9	530.7	102.1	3.2	47.5
1980 Jan.	129.2	83.3	43.1	24.7	527.4	99.3	3.3	46.7
Feb.	127.1	82.0	43.1	24.7	527.5	97.9	3.2	47.1

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA (concl.)

Industry Group
(Thousands)

Year and Month	Apparel and Related		Paper Products	Printing and Publishing	Chemical Products	Petroleum Refining & Related	Rubber and Plastic	Leather Products
	Total	Women's & Children's Outerwear						
1973	158.0	65.5	45.4	72.2	58.8	19.1	41.0	23.7
1974	148.2	63.0	44.4	69.8	58.6	18.2	40.9	21.3
1975	132.7	58.1	39.9	68.4	55.5	16.4	34.8	19.8
1976	137.2	60.2	42.4	67.6	56.7	16.4	34.9	21.0
1977	134.0	60.0	43.0	69.8	59.0	16.8	38.0	19.9
1978	135.2	61.0	44.4	71.1	59.9	17.3	39.9	19.2
1979	128.8	58.9	44.8	72.1	61.0	17.4	42.0	17.8
1979 Feb.	132.5	61.8	44.5	71.3	60.0	16.3	41.1	18.2
Mar.	132.3	61.5	44.6	71.8	60.4	16.5	41.6	17.8
Apr.	132.5	61.6	44.8	71.7	60.6	17.2	41.6	17.8
May	131.5	60.5	44.5	72.0	60.9	17.6	42.2	18.0
Jun.	132.3	61.0	45.0	72.3	61.9	18.2	42.9	18.4
Jul.	127.1	57.9	45.1	72.2	62.0	18.1	42.6	17.0
Aug.	126.6	56.6	46.1	71.8	61.9	18.2	42.4	17.8
Sep.	126.5	57.0	45.4	71.7	61.2	17.9	42.4	17.6
Oct.	125.6	56.9	44.6	72.0	61.2	17.7	42.5	17.5
Nov.	124.6	56.5	44.2	72.8	61.1	17.8	42.3	17.4
Dec.	122.5	54.3	43.8	73.5	61.5	17.1	42.0	17.5
1980 Jan.	123.7	55.9	43.7	73.3	61.0	16.8	41.9	17.7
Feb.	126.0	57.6	43.7	74.0	61.1	16.0	41.0	17.5

TABLE 12. SELECTED PENNSYLVANIA INDICES

(Not Adjusted)
1967 = 100

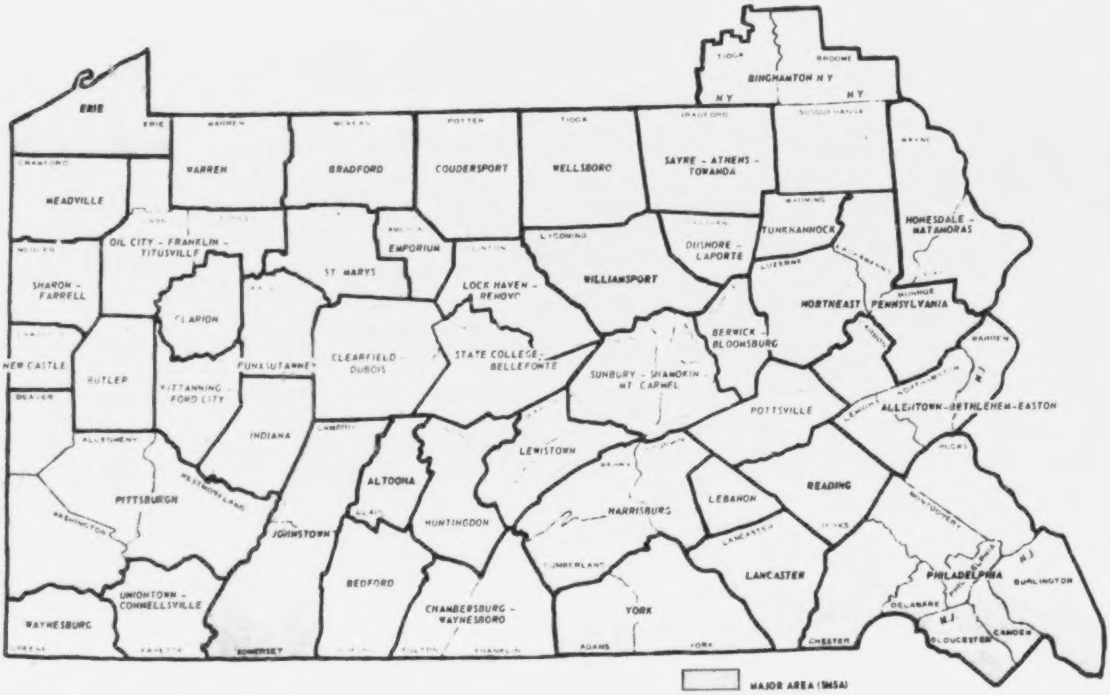
	1980		1979	1978	ANNUAL AVERAGE	
Industry Group	Feb.	Jan.	Feb.	Feb.	1979	1978
EMPLOYMENT						
All Manufacturing	88.0	88.3	88.4	85.9	89.3	87.9
Primary Metals	77.1	77.5	78.3	76.9	79.3	77.7
Apparel	70.2	68.9	73.8	73.7	71.7	75.3
All Nonmanufacturing	129.5	130.4	127.1	121.7	131.6	128.5
Construction	98.5	105.0	89.0	83.3	113.4	109.6
Retail Trade	125.7	128.6	127.0	124.1	130.9	131.0
Services	158.3	157.3	149.6	140.5	156.4	148.1
Government	126.4	126.3	128.2	127.9	127.4	127.8

Labor Market Areas of Pennsylvania

Pennsylvania consists of forty-five labor market areas, twelve of which are major or Standard Metropolitan Statistical Areas. Area names are based on major towns or cities in the areas.

This section provides a very limited presentation of data for selected labor market areas in Pennsylvania. More detailed information is available in Labor Market Letters published monthly in major labor market areas and for selected months in smaller labor market areas. These publications can be obtained from local employment security offices or by addressing requests to:

Office of Employment Security
Research and Statistics Divison
Labor Market Information Section
Labor and Industry Building - Room 1225
Harrisburg, Pennsylvania 17121


ERIE
ERIE
WARREN
WARREN
MC KEAN
BRADFORD
POTTER
COUDERSPORT
TIOGA
WELLSBORO
TIOGA
BROOME
BINGHAMTON N Y
N Y
N Y
BRADFORD
SAYRE - ATHENS - TOWANDA
SUSQUEHANNA
WAYNE
CRAWFORD
MEADVILLE
MERCER
OIL CITY - FRANKLIN - TITUSVILLE
SHARON - FARRELL
EMPORIUM
ST MARYS
CLINTON
LOCK HAVEN - RENOVO
LYCOMING
WILLIAMSPORT
SULLIVAN
DUSHORE - LAPORTE
WYOMING
TUNKHANNOCK
HONESDALE - MATAMORAS
LUZERNE
LACKAWANNA
CLARION
NEW CASTLE
BUTLER
BEAVER
PUNXSUTAWNEY
CLEARFIELD - DUBOIS
STATE COLLEGE - BELLEFONTE
KITTANNING - FORD CITY
SUNBURY - SHAMOKIN - MT CARMEL
BERWICK - BLOOMSBURG
NORTHEAST PENNSYLVANIA
MONROE
CARBON
WARREN
N J
ALLEGHENY
INDIANA
CAMBRIA
WESTMORELAND
PITTSBURGH
WASHINGTON
ALTOONA
BLAIR
JOHNSTOWN
HUNTINGDON
LEWISTOWN
POTTSVILLE
LEHIGH
NORTHAMPTON
ALLENTOWN-BETHLEHEM-EASTON
BUCKS
PERRY
HARRISBURG
LEBANON
READING
BERKS
MONTGOMERY
UNIONTOWN - CONNELLSVILLE
WAYNESBURG
GREENE
FAYETTE
SOMERSET
BEDFORD
FULTON
CHAMBERSBURG - WAYNESBORO
FRANKLIN
CUMBERLAND
YORK
ADAMS
YORK
LANCASTER
LANCASTER
CHESTER
PHILADELPHIA
PHILADELPHIA
DELAWARE
N J
BURLINGTON
N J
GLOUCESTER
CAMDEN
MAJOR AREA (SMSA)

GEOGRAPHIC DESCRIPTION OF MAJOR LABOR MARKET AREAS

ALLENTOWN - BETHLEHEM - EASTON	Carbon, Lehigh, and Northampton Counties in Pennsylvania: Warren County in New Jersey
ALTOONA	Blair County
ERIE	Erie County
HARRISBURG	Cumberland, Dauphin, and Perry Counties
JOHNSTOWN	Cambria and Somerset Counties
LANCASTER	Lancaster County
NORTHEAST	Lackawanna (Scranton Area), Luzerne (Wilkes-Barre Area), and Monroe Counties
PHILADELPHIA	Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties in Pennsylvania: Burlington, Camden, and Gloucester Counties in New Jersey
PITTSBURGH	Allegheny, Beaver, Washington, and Westmoreland Counties
READING	Berks County
WILLIAMSPORT	Lycoming County
YORK	Adams and York Counties

TABLE 13. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRIES MAJOR LABOR MARKET AREAS

(Per 100 Employees)

JANUARY 1980

Major Labor Market Area	Employment (Thousands)	Accession Rates								
		Total			New Hires			Recalls		
		Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979
PENNSYLVANIA	1,374.3	3.2	1.9	3.3	1.5	0.9	1.9	1.4	0.9	1.2
ALLENTOWN-BETHLEHEM-EASTON	110.9	2.7	1.4	2.7	1.4	0.8	1.4	1.1	0.4	1.0
ALTOONA	13.7	2.8	1.3	2.3	1.8	0.6	0.9	0.9	0.6	1.2
ERIE	43.2	2.3	1.4	3.2	1.0	0.6	1.7	0.8	0.4	1.2
HARRISBURG	43.4	3.3	2.1	2.8	2.5	1.2	2.0	0.5	0.5	1.6
JOHNSTOWN	20.3	2.1	1.5	3.2	0.3	0.5	1.1	1.7	1.0	2.1
LANCASTER	60.3	2.9	1.8	3.8	2.2	1.5	2.9	0.5	0.2	0.7
NORTHEAST	73.4	5.2	2.7	6.4	1.9	0.9	2.5	3.1	1.6	3.6
SCRANTON	28.2	3.4	2.1	5.2	1.7	0.8	2.3	2.3	1.3	2.7
WILKES-BARRE-HAZLETON	40.2	5.7	2.3	6.2	1.5	0.7	1.9	3.7	1.4	4.0
PHILADELPHIA	452.9	3.3	1.7	2.7	1.8	1.0	1.8	1.4	0.6	0.7
PITTSBURGH	246.5	2.8	2.1	3.0	0.6	0.5	1.3	1.7	1.3	1.2
READING	55.0	2.5	2.1	3.7	1.5	1.2	2.8	0.8	0.7	0.8
WILLIAMSPORT	16.7	1.4	1.1	3.3	0.6	0.4	1.8	0.7	0.7	1.4
YORK	68.0	3.1	2.1	3.6	2.3	1.6	2.9	0.7	0.4	0.6

Major Labor Market Area	Employment (Thousands)	Separation Rates								
		Total			Quits			Layoffs		
		Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979	Jan. 1980	Dec. 1979	Jan. 1979
PENNSYLVANIA	1,374.3	3.4	3.1	3.1	0.9	0.6	1.0	1.7	2.0	1.4
ALLENTOWN-BETHLEHEM-EASTON	110.9	2.3	3.1	2.5	0.8	0.5	0.8	1.0	2.1	0.9
ALTOONA	13.7	2.1	1.9	2.0	1.1	0.7	0.6	0.6	0.9	0.8
ERIE	43.2	2.9	2.6	3.3	0.7	0.5	1.0	1.1	1.5	1.4
HARRISBURG	43.4	3.0	3.5	2.6	1.4	1.1	1.3	0.9	1.7	0.5
JOHNSTOWN	20.3	4.2	1.9	5.2	0.4	0.4	0.6	3.0	1.2	3.5
LANCASTER	60.3	2.6	2.5	3.0	1.4	1.2	1.6	0.6	0.8	0.9
NORTHEAST	73.4	3.8	5.6	3.9	1.1	0.5	1.3	2.2	4.5	2.1
SCRANTON	28.2	4.2	4.5	3.9	1.2	0.5	1.3	2.7	3.6	2.2
WILKES-BARRE-HAZLETON	40.2	3.5	5.5	3.3	0.9	0.5	0.8	2.0	4.6	1.9
PHILADELPHIA	452.9	3.3	2.7	2.9	1.0	0.7	1.0	1.3	1.5	1.1
PITTSBURGH	246.5	3.1	4.0	2.5	0.4	0.3	0.5	1.8	3.3	1.1
READING	55.0	3.2	2.4	3.3	1.3	0.8	1.5	1.4	1.1	1.1
WILLIAMSPORT	16.7	1.7	1.3	2.6	0.4	0.3	0.9	1.0	0.7	1.4
YORK	68.0	4.7	3.0	4.0	1.8	1.1	2.0	2.4	1.3	1.3

TABLE 14. AVERAGE GROSS EARNINGS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS IN MAJOR LABOR MARKET AREAS

Major Labor Market Area	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979
PENNSYLVANIA	$285.43	$285.38	$271.32	39.1	39.2	39.9	$7.30	$7.28	$6.80
ALLENTOWN-BETHLEHEM-EASTON	289.92	291.82	261.44	38.4	38.6	38.0	7.55	7.56	6.88
ALTOONA	251.14	252.65	230.18	39.8	39.6	38.3	6.31	6.38	6.01
ERIE	306.59	308.38	281.99	41.6	41.9	41.9	7.37	7.36	6.73
HARRISBURG	289.82	287.73	256.40	41.7	41.7	40.0	6.95	6.90	6.41
JOHNSTOWN	307.47	302.73	293.54	38.1	37.7	40.6	8.07	8.03	7.23
LANCASTER	259.08	257.22	235.42	40.8	40.7	39.7	6.35	6.32	5.93
NORTHEAST	206.96	211.49	190.69	36.5	37.3	37.1	5.67	5.67	5.14
SCRANTON	196.51	207.38	194.30	35.6	37.5	38.4	5.52	5.53	5.06
WILKES-BARRE-HAZLETON	213.12	212.18	187.88	37.0	36.9	36.2	5.76	5.75	5.19
PHILADELPHIA	289.87	290.54	271.26	39.6	39.8	39.6	7.32	7.30	6.85
PITTSBURGH	355.45	355.37	334.97	40.3	40.2	40.8	8.82	8.84	8.21
READING	262.68	267.74	236.12	38.8	39.2	37.9	6.77	6.83	6.23
WILLIAMSPORT	272.12	275.25	241.74	39.9	40.3	39.5	6.82	6.83	6.12
YORK	260.80	264.79	243.19	40.0	40.8	40.6	6.52	6.49	5.99

TABLE 15. RESIDENT EMPLOYMENT AND UNEMPLOYMENT
MAJOR LABOR MARKET AREAS

Area	Rate of Unemployment					
	Feb. 1980		Jan. 1980		Feb. 1979	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
UNITED STATES	6.8	6.0	6.8	6.2	6.4	5.7
PENNSYLVANIA	7.8	6.8	7.8	7.2	7.5	6.5
ALLENTOWN-BETH-EASTON	6.4	5.5	7.2	6.2	6.8	5.9
ALTOONA	10.1	8.6	9.6	8.6	9.8	8.4
ERIE	9.1	7.7	8.5	7.6	7.7	6.6
HARRISBURG	5.9	5.2	6.0	5.3	5.4	4.7
JOHNSTOWN	11.2	9.8	10.5	9.1	9.7	8.5
LANCASTER	5.5	4.5	5.1	4.2	4.9	4.0
NORTHEAST	10.2	8.9	10.6	9.3	9.3	8.2
SCRANTON	9.2	8.3	9.7	8.8	8.7	7.7
W BARRE-HAZLETON	10.8	9.5	11.1	9.7	9.5	8.4
PHILADELPHIA	6.6	6.0	6.5	6.4	7.4	6.8
PITTSBURGH	7.1	6.0	7.4	6.6	6.7	5.6
POTTSVILLE	10.5	-	10.8	-	9.6	-
READING	7.7	6.8	6.6	6.1	5.7	5.1
UNIONTOWN-CONNELLSVLE	11.7	-	13.5	-	11.0	-
WILLIAMSPORT	12.3	10.1	11.9	10.6	9.9	8.0
YORK	6.7	5.5	7.0	6.3	6.0	5.0

(Thousands)

Area	Total Civilian Labor Force			Total Employment			Total Unemployment		
	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979
UNITED STATES	103,257.0	103,188.0	101,249.0	96,264.0	96,145.0	94,765.0	6,993.0	7,043.0	6,484.0
PENNSYLVANIA	5,363.0	5,332.0	5,236.0	4,944.0	4,918.0	4,842.0	419.0	414.0	394.0
ALLENTOWN-BETH-EASTON	302.2	302.4	295.1	283.0	280.7	275.0	19.2	21.6	20.1
ALTOONA	60.4	60.3	56.7	54.3	54.5	51.1	6.1	5.8	5.6
ERIE	127.0	125.9	123.7	115.5	115.2	114.2	11.5	10.7	9.5
HARRISBURG	217.7	217.8	214.0	204.8	204.7	202.5	12.9	13.2	11.5
JOHNSTOWN	111.9	110.6	107.5	99.4	99.0	97.0	12.5	11.6	10.5
LANCASTER	178.2	176.4	173.4	168.5	167.4	164.9	9.7	9.0	8.4
NORTHEAST	288.7	286.0	280.8	259.4	255.7	254.7	29.3	30.3	26.1
SCRANTON	105.4	104.4	102.9	95.7	94.3	94.0	9.7	10.1	8.9
W BARRE-HAZLETON	156.0	154.4	151.2	139.2	137.3	136.7	16.8	17.2	14.4
PHILADELPHIA	2,132.4	2,121.7	2,101.1	1,991.6	1,984.5	1,945.1	140.9	137.2	156.0
PITTSBURGH	1,016.3	1,013.4	996.2	943.9	938.4	929.5	72.5	75.0	66.7
POTTSVILLE	67.1	66.9	67.6	60.1	59.6	61.1	7.1	7.3	6.5
READING	156.4	153.9	148.6	144.4	143.7	140.1	12.0	10.1	8.5
UNIONTOWN-CONNELLSVLE	59.0	61.0	59.4	52.1	52.7	52.9	6.9	8.2	6.5
WILLIAMSPORT	53.0	52.7	52.7	46.5	46.5	47.4	6.5	6.2	5.2
YORK	174.2	174.9	170.4	162.6	162.6	160.2	11.6	12.3	10.2

TABLE 16. EMPLOYMENT IN MAJOR LABOR MARKET AREAS
ESTABLISHMENT DATA (Number of Jobs)
(Thousands)

STATE and AREA data include persons involved in labor management disputes; not included in U.S. data.

Area	Nonagricultural Wage and Salary			Private Sector *		
	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979
UNITED STATES	89,301.0	89,225.0	87,324.0	73,380.0	73,489.0	71,606.0
PENNSYLVANIA	4,758.0	4,784.1	4,699.3	4,035.3	4,062.6	3,967.2
ALLENTOWN-BETHLEHEM-EASTON	263.1	263.2	258.1	233.9	234.2	228.5
ALTOONA	53.3	54.0	50.6	45.7	46.4	43.4
ERIE	114.9	115.5	114.6	101.1	102.1	100.2
HARRISBURG	213.2	215.0	213.1	159.2	160.7	156.6
JOHNSTOWN	89.4	89.9	88.0	73.8	75.0	73.4
LANCASTER	151.6	152.2	149.8	136.5	137.9	134.6
NORTHEAST	241.6	240.3	239.7	201.8	201.3	200.3
SCRANTON	86.6	86.5	85.0	74.6	74.3	73.0
WILKES-BARRE-HAZLETON	126.1	126.2	126.0	106.2	106.5	106.7
PHILADELPHIA	1,913.7	1,922.1	1,886.0	1,609.0	1,616.2	1,585.6
PITTSBURGH	940.2	942.7	935.0	811.3	814.6	811.7
POTTSVILLE	47.8	47.9	48.9	39.1	39.2	40.5
READING	139.5	139.9	136.5	122.1	123.2	119.9
UNIONTOWN-CONNELLSVILLE	35.4	36.1	36.3	28.2	28.9	29.0
WILLIAMSPORT	46.3	46.7	47.7	40.0	40.3	41.1
YORK	155.2	156.8	154.5	136.3	137.9	133.7

Area	Manufacturing			Nonmanufacturing		
	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979
UNITED STATES	20,658.0	20,692.0	20,775.0	68,643.0	68,533.0	66,549.0
PENNSYLVANIA	1,369.9	1,374.3	1,375.9	3,382.3	3,404.8	3,318.6
ALLENTOWN-BETHLEHEM-EASTON	111.3	110.9	109.6	151.8	152.3	148.5
ALTOONA	13.5	13.7	12.5	39.8	40.3	37.9
ERIE	42.9	43.2	44.5	72.0	72.0	70.1
HARRISBURG	43.5	43.4	42.2	169.6	171.5	170.6
JOHNSTOWN	20.1	20.3	20.1	68.8	69.5	67.8
LANCASTER	59.9	60.3	60.2	91.6	91.9	89.6
NORTHEAST	74.6	73.4	74.0	166.6	166.5	165.7
SCRANTON	28.7	28.2	28.1	57.5	57.9	56.9
WILKES-BARRE-HAZLETON	40.6	40.2	41.1	85.5	86.0	84.9
PHILADELPHIA	450.2	452.9	452.2	1,460.7	1,467.5	1,432.1
PITTSBURGH	249.4	246.5	253.6	689.5	694.7	681.0
POTTSVILLE	20.2	19.9	21.2	27.6	28.0	27.5
READING	54.4	55.0	55.3	85.0	84.9	81.2
UNIONTOWN-CONNELLSVILLE	7.7	8.0	8.1	27.7	28.1	28.2
WILLIAMSPORT	16.5	16.7	18.3	29.8	30.0	29.4
YORK	66.7	68.0	64.7	88.5	88.8	88.0

* Excludes Government employment

TABLE 17. LABOR TURNOVER RATES IN PENNSYLVANIA
NONDURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	Nondurable Goods						Food & Kindred						Textiles						Apparel					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	4.2	2.7		4.9	2.1	2.1	5.2	3.3		5.8	2.6	2.5	4.5	3.6		5.5	3.1	1.7	5.2	2.5		6.6	2.1	3.8
1975	4.1	1.8		4.4	1.3	2.5	4.6	2.3		4.9	1.5	2.7	4.5	2.3		5.1	1.6	2.8	5.6	2.3		5.6	1.5	3.5
1976	3.9	2.2	1.4	4.1	1.4	2.0	4.6	2.3	2.0	4.9	1.4	2.8	4.5	3.0	1.2	4.8	2.2	1.9	4.8	2.5	2.0	5.5	1.7	2.9
1977	3.9	2.3	1.4	3.9	1.5	1.8	4.9	2.4	2.2	5.0	1.6	2.8	4.3	3.0	1.1	4.6	2.2	1.8	5.1	2.6	2.2	5.1	1.8	2.6
1978	3.6	2.4	1.0	3.6	1.7	1.3	4.1	2.5	1.4	4.3	1.8	1.9	4.5	3.5	0.8	4.2	2.6	0.9	4.3	2.7	1.3	4.6	2.0	1.8
1979																								
Jan	4.0	2.2	1.6	3.9	1.5	1.7	3.6	2.0	1.4	5.2	1.6	3.0	4.1	3.2	0.7	4.3	2.5	1.2	6.7	2.6	3.8	4.9	1.8	2.3
Feb	3.1	1.9	1.1	2.9	1.3	1.0	3.1	1.5	1.4	3.5	1.5	1.5	3.0	2.1	0.8	3.4	2.2	0.6	4.9	2.7	1.9	3.9	1.6	1.8
Mar	3.8	2.3	1.3	3.7	1.6	1.3	3.5	2.0	1.4	3.5	1.5	1.4	3.6	2.5	0.9	3.9	2.3	0.9	4.8	2.8	1.8	5.4	2.0	2.4
Apr	3.6	2.1	1.1	3.5	1.5	1.3	4.3	2.5	1.6	4.1	1.6	2.0	3.6	2.6	0.8	4.1	2.4	1.1	4.3	2.2	1.7	4.5	1.8	1.8
May	4.1	2.7	1.1	3.7	1.7	1.4	5.0	3.4	1.3	4.7	1.9	2.1	4.1	3.3	0.6	4.0	2.6	0.9	4.9	2.5	2.0	5.2	1.9	2.6
Jun	4.3	3.0	1.0	3.6	1.7	1.3	5.1	3.6	1.2	4.4	2.0	1.7	4.3	3.6	0.5	4.0	2.5	0.8	4.7	2.5	1.8	5.1	2.0	2.2
Jul	4.0	2.2	1.6	4.3	1.6	2.1	5.8	3.0	2.6	4.3	1.9	1.8	4.8	2.6	2.0	6.5	2.3	3.4	4.8	2.1	2.4	6.7	1.9	3.9
Aug	4.2	2.7	1.2	5.0	2.9	1.4	5.4	3.5	1.4	4.6	3.1	0.8	4.4	3.4	0.9	6.2	3.7	0.4	5.3	2.6	2.4	6.5	2.8	2.7
Sep	4.0	2.7	1.0	4.4	2.3	1.5	5.0	3.4	1.4	5.0	2.5	1.8	3.9	3.0	0.7	4.9	3.1	1.3	5.3	2.8	2.0	5.5	2.3	2.5
Oct	3.7	2.5	1.0	3.8	1.7	1.5	4.2	2.9	1.1	4.8	2.0	1.9	4.4	3.1	1.1	4.1	2.3	1.2	5.1	2.7	2.2	5.1	1.9	2.6
Nov	3.0	1.9	1.0	3.6	1.3	1.7	3.5	2.2	1.1	4.2	1.7	1.7	2.9	1.9	0.8	3.8	1.9	1.4	3.6	1.7	1.7	5.5	1.4	3.6
Dec	2.4	1.2	1.0	3.3	0.9	1.9	3.1	1.6	1.3	3.8	1.2	1.9	1.9	1.3	0.4	3.3	1.2	1.5	3.1	1.0	1.8	5.3	0.9	3.8
1980																								
Jan	3.7	2.0	1.5	3.6	1.4	1.6	2.6	1.4	1.1	4.4	1.4	2.4	3.7	2.6	1.0	3.9	1.9	1.4	6.0	2.8	3.0	4.8	1.7	2.4

Year & Month	Paper & Allied Products						Printing & Publishing						Chemicals						Petroleum & Coal Products					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	2.7	2.0		3.5	1.6	1.3	2.4	1.9		2.6	1.4	0.7	2.2	1.6		2.3	1.0	0.7	1.4	1.1		1.4	0.6	0.3
1975	3.4	1.0		3.7	0.7	2.5	2.0	1.1		2.5	0.8	1.3	2.2	0.9		2.4	0.5	1.4	1.1	0.8		1.1	0.3	0.3
1976	2.5	1.5	0.9	2.4	0.8	1.1	2.3	1.5	0.6	2.3	0.9	0.9	2.1	1.2	0.7	1.9	0.6	0.8	1.5	1.0	0.2	1.6	0.4	0.3
1977	2.6	1.5	0.9	2.7	0.9	1.3	2.2	1.5	0.6	2.1	1.0	0.7	2.0	1.3	0.6	2.0	0.7	0.6	1.4	1.1	0.1	1.5	0.5	0.3
1978	2.7	1.7	0.8	2.6	1.1	0.9	2.5	1.8	0.6	2.4	1.2	0.8	2.0	1.4	0.5	1.8	0.7	0.5	1.4	1.1	0.2	1.5	0.5	0.4
1979																								
Jan	2.5	1.2	1.1	3.4	0.9	1.8	2.8	2.2	0.6	2.9	1.2	1.1	1.6	1.2	0.3	1.7	0.6	0.5	1.0	0.7	0.2	1.1	0.3	0.5
Feb	2.0	1.1	0.8	1.9	0.8	0.6	2.4	1.6	0.7	1.9	1.1	0.5	1.5	1.2	0.3	1.4	0.5	0.3	1.0	0.6	0.3	1.2	0.4	0.2
Mar	2.4	1.4	0.8	1.9	1.0	0.4	2.7	1.7	1.0	2.0	1.1	0.6	2.1	1.6	0.4	1.4	0.7	0.3	1.2	0.9	0.2	0.7	0.3	0.1
Apr	2.6	1.6	0.8	2.5	1.1	0.8	2.4	1.8	0.5	2.3	1.2	0.8	1.6	1.1	0.3	1.2	0.6	0.4	2.0	1.1	0.8	1.2	0.5	0.4
May	3.8	2.6	0.9	2.5	1.2	0.8	2.7	2.2	0.5	2.4	1.3	0.7	2.2	1.7	0.4	1.3	0.6	0.3	2.4	1.6	0.4	1.0	0.4	0.2
Jun	4.1	3.2	0.7	2.0	1.1	0.5	3.3	2.6	0.6	2.4	1.3	0.8	3.0	2.4	0.4	1.5	0.7	0.4	2.8	2.6	0.1	1.2	0.2	0.3
Jul	4.3	2.6	1.6	3.6	1.2	1.7	2.4	1.7	0.6	2.1	1.2	0.6	1.6	1.2	0.3	1.4	0.7	0.4	2.7	2.3	0.2	1.1	0.4	0.2
Aug	3.6	2.6	0.9	4.5	2.7	0.8	2.5	1.9	0.1	3.2	2.2	0.4	1.9	1.6	0.3	2.8	1.9	0.4	1.4	0.9	0.1	3.6	2.5	0.4
Sep	3.2	2.8	0.2	4.4	2.7	1.0	2.8	2.3	0.4	2.7	1.8	0.6	2.0	1.5	0.3	2.5	1.2	0.8	1.7	1.4	0.2	1.8	1.1	0.1
Oct	2.8	2.2	0.5	2.9	1.2	1.0	3.0	2.5	0.4	2.2	1.3	0.5	1.9	1.4	0.4	1.7	0.7	0.6	1.1	0.9	0.1	1.4	0.3	0.5
Nov	2.4	1.6	0.7	2.8	1.1	1.0	2.4	1.8	0.5	2.2	1.1	0.8	1.4	0.9	0.4	1.2	0.6	0.3	0.9	0.8	0.1	1.5	0.4	0.7
Dec	1.6	0.9	0.6	2.6	0.7	1.5	2.5	1.5	0.9	1.7	0.8	0.5	1.3	0.9	0.2	1.2	0.4	0.5	0.7	0.6	N	1.5	0.3	1.1
1980																								
Jan	2.7	1.1	1.4	3.1	0.8	1.5	2.7	1.9	0.8	2.2	1.0	0.8	1.8	1.3	0.4	1.9	0.6	0.5	1.1	0.8	0.1	1.2	0.4	0.4

Year & Month	Rubber & Plastics						Leather Goods					
	Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	4.4	3.0		5.2	2.3	1.8	7.1	5.6		8.6	5.1	2.6
1975	3.7	1.1		4.9	0.9	3.1	6.8	5.1		7.0	3.5	2.6
1976	4.1	2.2	1.6	3.7	1.3	1.5	6.4	4.7	1.4	7.2	3.9	2.4
1977	3.5	2.3	1.0	3.6	1.4	1.3	6.6	4.9	1.3	6.8	4.1	1.8
1978	3.3	2.2	0.8	3.2	1.5	1.0	7.0	5.0	1.5	8.0	4.8	2.4
1979												
Jan	3.8	2.6	1.0	2.7	1.2	0.8	7.7	4.8	2.2	6.5	3.7	2.1
Feb	3.0	2.0	0.8	2.7	1.2	0.9	4.4	3.4	0.5	5.4	3.2	1.5
Mar	3.1	2.2	0.6	3.5	1.5	1.1	6.8	4.7	1.5	8.3	4.5	2.8
Apr	3.8	2.2	1.4	3.4	1.2	1.4	6.7	4.9	1.5	8.2	4.7	2.5
May	4.8	3.2	1.2	3.2	1.5	0.8	7.9	5.8	1.5	8.2	5.4	1.4
Jun	4.5	3.4	0.7	2.9	1.2	1.0	7.8	5.7	1.5	7.3	4.5	2.1
Jul	3.1	2.0	0.8	3.2	1.4	1.0	5.5	4.0	1.0	9.9	4.5	4.9
Aug	3.9	2.8	0.7	5.6	3.3	1.3	10.4	6.5	3.7	10.8	6.7	3.4
Sep	3.5	2.4	0.6	4.4	2.3	1.2	6.2	4.6	1.1	8.0	6.0	1.3
Oct	3.1	2.1	0.7	3.5	1.3	1.1	5.6	4.9	0.4	7.0	4.5	1.7
Nov	2.5	1.3	0.9	2.8	1.0	1.2	4.5	3.6	0.6	6.7	3.2	3.0
Dec	1.8	1.0	0.7	3.0	0.6	1.7	4.3	2.2	1.8	5.6	2.4	2.3
1980												
Jan	4.5	2.6	1.8	3.9	1.9	1.4	7.4	5.2	1.8	6.1	3.5	1.8

N = Negligible

TABLE 18. LABOR TURNOVER RATES IN PENNSYLVANIA
DURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	All Manufacturing						Durable Goods						Furniture & Fixtures						Stone, Clay & Glass					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	3.4	2.2		3.9	1.6	1.6	2.9	1.9		3.2	1.2	1.3	5.0	3.5		7.0	2.9	3.0	3.6	2.0		4.6	1.4	2.5
1975	3.3	1.4		3.9	0.8	2.3	2.8	0.9		3.7	0.6	2.5	5.8	2.0		6.1	1.2	4.1	3.9	1.0		4.6	0.7	3.3
1976	3.3	1.5	1.5	3.5	0.9	1.9	2.9	1.0	1.6	3.1	0.6	1.8	5.1	2.8	2.0	5.2	1.8	2.5	3.7	1.3	2.3	3.5	0.7	2.2
1977	3.4	1.7	1.5	3.5	1.0	1.8	3.1	1.3	1.6	3.2	0.7	1.8	6.4	3.8	2.4	5.6	2.1	2.5	3.9	1.4	2.4	3.6	0.8	2.2
1978	3.0	1.8	0.9	2.9	1.2	1.1	2.6	1.5	0.9	2.4	0.8	0.9	4.8	4.0	0.6	4.7	2.7	1.0	2.7	1.6	1.0	2.8	0.9	1.2
1979																								
Jan.	3.3	1.9	1.2	3.1	1.0	1.4	2.8	1.6	0.9	2.7	0.7	1.1	4.0	3.4	0.5	5.0	2.1	1.8	2.1	0.9	1.1	4.1	0.7	2.8
Feb.	2.6	1.6	0.9	2.5	0.9	0.9	2.4	1.4	0.8	2.3	0.7	1.5	3.7	2.3	1.5	4.2	1.6	1.5	2.6	0.8	1.6	2.4	0.5	1.2
Mar.	3.1	1.8	1.0	2.9	1.1	1.0	2.6	1.5	0.9	2.3	0.8	0.8	4.1	3.5	0.3	5.7	2.4	1.9	3.8	1.0	2.7	2.6	0.7	1.4
Apr.	2.9	1.7	0.9	2.8	1.1	1.0	2.5	1.5	0.8	2.3	0.8	0.6	4.2	3.1	0.6	6.0	2.0	2.9	3.8	1.7	2.0	2.4	0.7	1.2
May	3.6	2.3	1.0	2.8	1.2	0.9	3.2	2.0	0.9	2.2	0.9	0.6	7.8	4.3	3.3	6.9	2.2	3.2	3.8	2.3	1.3	1.9	0.8	0.6
Jun.	3.6	2.6	0.7	2.8	1.2	1.0	3.1	2.3	0.6	2.3	0.9	0.8	6.5	3.8	2.4	4.6	2.4	0.8	3.6	2.6	0.7	2.3	0.8	1.0
Jul.	3.2	1.8	1.1	3.3	1.1	1.6	2.7	1.6	0.9	2.7	0.8	1.2	6.6	3.5	3.0	7.5	2.0	4.5	2.7	1.7	0.9	2.4	0.8	1.1
Aug.	3.5	2.2	1.0	4.2	2.3	1.2	3.0	1.8	0.9	3.7	1.8	1.1	6.9	5.2	1.6	6.8	4.4	0.7	2.9	1.7	1.1	4.1	2.1	1.4
Sep.	3.1	2.1	0.7	3.5	1.6	1.2	2.5	1.6	0.6	3.0	1.2	1.0	5.3	4.9	0.3	6.0	3.1	1.4	2.7	1.3	1.3	3.0	1.3	1.1
Oct.	2.9	1.9	0.8	3.1	1.1	1.3	2.4	1.5	0.7	2.7	0.8	1.2	3.8	3.1	0.5	3.9	2.0	0.9	1.7	1.0	0.5	3.1	0.7	1.9
Nov.	2.3	1.3	0.8	3.0	0.8	1.6	1.8	0.9	0.6	2.7	0.6	1.6	2.8	2.1	0.6	4.4	1.4	2.2	2.0	0.7	1.1	2.2	0.5	1.3
Dec.	1.9	0.9	0.9	3.1	0.6	2.0	1.6	0.7	0.8	3.0	0.4	2.0	2.5	1.4	1.0	3.6	1.1	1.8	1.4	0.4	0.9	3.9	0.3	3.2
1980																								
Jan.	3.2	1.5	1.4	3.4	0.9	1.7	2.9	1.2	1.4	3.2	0.6	1.8	3.5	2.1	1.3	5.3	1.2	3.3	2.7	0.6	1.9	4.0	0.5	2.9

Year & Month	Primary Metals						Fabricated Metals						Machinery except Electrical						Electric & Electronic Equipment					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	2.3	1.5		2.3	0.9	0.8	3.7	2.4		4.1	1.4	1.8	2.6	2.1		2.3	1.2	0.4	2.2	1.4		2.9	1.1	1.1
1975	3.0	0.5		4.3	0.3	3.3	2.8	1.1		3.8	0.6	2.5	1.7	0.9		2.7	0.6	1.5	1.6	0.4		2.8	0.4	1.8
1976	3.3	0.6	2.4	3.3	0.4	2.2	2.7	1.1	1.5	3.5	0.6	2.2	2.4	0.9	1.4	2.8	0.6	1.7	2.1	1.0	0.7	2.2	0.6	0.9
1977	2.9	0.8	1.8	3.2	0.4	2.0	3.3	1.3	1.8	3.4	0.7	2.1	3.2	1.0	2.0	3.5	0.6	2.3	2.5	1.2	0.8	2.6	0.7	1.2
1978	2.5	1.1	1.2	2.4	0.5	1.1	3.1	1.6	1.2	3.0	0.9	1.3	2.1	1.4	0.5	1.6	0.7	0.4	2.3	1.3	0.7	2.3	0.8	0.8
1979																								
Jan.	3.0	1.3	1.4	2.4	0.4	1.0	3.4	1.9	1.2	3.2	0.8	1.6	2.2	1.6	0.3	1.6	0.8	0.3	2.5	1.4	0.7	2.4	0.7	0.9
Feb.	2.3	1.3	0.8	1.8	0.4	0.5	2.6	1.7	0.7	2.7	0.7	1.3	1.7	1.4	0.2	1.3	0.6	0.2	2.2	1.2	0.6	2.2	0.7	0.8
Mar.	1.9	1.2	0.5	1.8	0.4	0.6	3.0	1.8	1.1	2.5	0.8	1.0	1.8	1.4	0.2	1.7	0.8	0.3	2.4	1.4	0.7	2.4	0.8	0.8
Apr.	2.0	1.1	0.7	1.9	0.4	0.7	2.8	1.8	0.9	3.1	0.9	1.6	1.6	1.2	0.2	1.3	0.7	0.2	2.5	1.4	0.7	2.3	0.8	0.5
May	3.3	1.8	1.1	1.6	0.5	0.4	3.8	2.4	1.1	2.5	1.1	0.7	1.9	1.6	0.2	1.5	0.8	0.2	2.9	1.8	0.6	2.4	1.0	0.6
Jun.	2.6	2.0	0.3	1.4	0.5	0.2	3.7	2.5	1.0	3.5	1.0	1.7	2.4	2.1	0.2	1.9	0.9	0.5	2.9	2.1	0.5	1.7	0.8	0.3
Jul.	2.2	1.4	0.6	2.3	0.5	0.8	3.3	1.9	1.1	3.3	0.9	1.7	2.0	1.3	0.5	1.9	0.7	0.7	2.9	1.6	1.0	2.8	0.8	1.5
Aug.	2.0	1.2	0.5	3.4	1.7	0.8	4.7	2.4	1.9	4.6	2.0	1.9	2.3	1.5	0.6	2.3	1.3	0.4	3.0	2.1	0.5	3.9	2.0	1.0
Sep.	1.7	1.0	0.5	3.4	1.0	1.6	3.3	2.3	0.7	3.0	1.2	1.1	1.8	1.5	0.2	2.0	0.9	0.5	2.4	1.5	0.4	2.3	1.2	0.4
Oct.	2.1	0.9	0.9	2.8	0.5	1.6	3.2	2.1	1.1	3.1	0.9	1.4	1.7	1.4	0.2	1.5	0.7	0.4	1.9	1.2	0.3	2.2	0.7	0.8
Nov.	1.7	0.7	0.9	2.3	0.3	1.4	2.4	1.4	0.9	2.7	0.6	1.5	1.4	1.1	0.2	1.3	0.6	0.4	1.5	0.9	0.2	1.9	0.5	0.8
Dec.	1.9	0.4	1.2	3.7	0.3	2.9	2.0	0.9	0.9	3.9	0.5	2.8	1.2	0.8	0.2	1.1	0.4	0.3	1.5	0.7	0.5	1.8	0.5	0.8
1980																								
Jan.	2.6	0.7	1.6	2.9	0.4	1.7	3.9	1.4	2.2	4.2	0.6	2.9	1.9	1.5	0.3	1.6	0.7	0.5	2.7	1.3	0.8	2.6	0.8	1.0

Year & Month	Transportation Equipment						Instruments & Related						Miscellaneous Manufacturing					
	Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	4.2	2.2		4.2	1.1	2.0	2.9	2.4		2.8	1.4	0.7	3.8	2.6		4.8	1.8	2.3
1975	3.5	1.3		3.9	0.6	2.2	1.9	1.1		2.2	0.6	1.0	3.2	1.0		3.3	0.7	2.1
1976	3.2	1.1	1.6	3.5	0.5	2.0	2.1	1.4	0.5	1.8	0.7	0.6	2.6	1.5	0.9	2.7	0.8	1.2
1977	3.0	1.6	1.1	2.8	0.6	1.4	2.1	1.6	0.3	1.7	0.8	0.4	2.7	1.5	1.1	2.7	0.8	1.3
1978	3.0	1.5	1.0	2.5	0.7	1.0	2.0	1.6	0.2	1.7	0.9	0.3	2.9	1.9	0.9	2.9	1.0	1.2
1979																		
Jan.	2.9	1.7	0.8	2.8	0.8	0.9	2.3	2.1	0.1	1.6	0.7	0.2	4.1	2.4	1.6	3.8	0.7	2.2
Feb.	2.0	1.3	[illegible]	[illegible]	0.5	1.4	2.6	2.4	0.1	2.5	1.1	0.3	3.2	1.6	1.4	2.3	0.8	0.6
Mar.	2.7	1.6	0.7	2.8	0.9	1.0	2.2	1.9	0.1	1.4	0.9	0.2	3.6	2.3	1.3	2.7	0.9	0.7
Apr.	3.1	1.4	1.3	2.9	0.7	1.1	2.0	1.4	0.5	1.7	0.9	0.3	3.3	1.6	1.6	3.0	0.9	1.1
May	3.1	1.5	1.2	2.5	0.6	0.9	2.7	1.9	0.6	2.0	0.9	0.5	3.5	2.3	1.0	2.2	1.1	0.3
Jun.	2.7	1.7	0.6	3.8	0.6	1.9	2.9	2.3	0.4	2.0	1.0	0.4	6.0	4.4	1.4	2.4	1.4	0.5
Jul.	3.2	1.4	1.2	3.0	0.6	1.4	1.5	1.2	0.1	2.1	0.8	0.8	3.3	1.5	1.7	4.1	1.4	2.2
Aug.	3.1	1.4	1.2	3.4	1.1	1.4	7.9	1.2	0.5	2.6	1.5	0.3	4.8	3.4	1.3	6.2	3.7	1.9
Sep.	3.1	1.7	1.0	3.1	1.0	1.2	1.5	1.2	0.2	3.0	1.1	1.0	4.0	3.2	0.6	3.8	2.0	1.0
Oct.	3.3	2.0	0.7	3.4	0.9	1.3	1.4	1.2	0.1	1.6	0.8	0.4	4.0	2.4	1.5	3.2	1.8	0.5
Nov.	2.2	0.7	1.1	6.2	0.6	4.7	1.5	1.0	0.4	1.4	0.6	0.4	1.6	1.1	0.4	6.6	1.5	4.5
Dec.	1.7	0.4	0.9	3.0	0.3	2.2	1.1	0.7	0.3	1.0	0.5	0.1	1.2	0.6	0.6	5.4	0.7	4.4
1980																		
Jan.	3.6	1.7	1.5	3.8	0.6	1.8	1.8	1.3	0.4	2.0	0.6	0.5	2.0	1.2	0.7	4.8	1.2	2.9

N = Negligible

5/23/80

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PENNSYLVANIA EMPLOYMENT AND EARNINGS

A STATEWIDE SUMMARY OF
LEVELS, TRENDS AND
TURNOVER RATES

APRIL 1980
Vol. XXV No. 4

JOB
SERVICE

- EXPLANATORY -

INDUSTRY EMPLOYMENT

Employment data, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives."

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

LABOR TURNOVER RATES

Labor Turnover rates for manufacturing industries are computed by dividing totals of each turnover item by the total employment in all establishments. These rates are multiplied by 100, rounded to one decimal place, and published as rates of turnover per 100 employees.

This report is prepared by the Research and Statistics Division.
Refer queries, in writing to:
PENNSYLVANIA BUREAU OF EMPLOYMENT SECURITY
COOPERATING REPRESENTATIVE
U.S. BUREAU OF LABOR STATISTICS
LABOR AND INDUSTRY BUILDING-ROOM 1202
HARRISBURG, PENNSYLVANIA 17121
or telephone: 717 - 787-3129

Issued: April 1980 Reference: Mid-March

PENNSYLVANIA EMPLOYMENT & EARNINGS
MARCH 1980

Total unemployment in Pennsylvania, both adjusted and unadjusted for seasonal influences, showed practically no change in March.

Seasonally adjusted, the volume of unemployment was estimated at 367,000, down 3,000 from February. The rate of unemployment remained stable at 6.8 percent of the total civilian labor force. It marked the second month in a row that the seasonally adjusted rate was below 7.0 percent. The levels also were close to a year ago. In March 1979, seasonally adjusted employment was 362,000 and the rate, 6.9 percent.

The unadjusted volume of unemployment dropped by 4,000 from February to an estimated March figure of 415,000. This difference was insufficient to change the rate of unemployment which stayed at 7.8 percent for the third successive month.

While there was little change overall, differing movements occurred among some of its components. Male unemployment was up and female, down. Nonwhites fared better than whites as did those in the 16-24 years age group compared with those between 25 and 44 years.

Nationwide, the March seasonally adjusted rate of unemployment was 6.2 percent of the total civilian labor force, up from 6.0 percent in February. The unadjusted rate was 6.6 percent - off moderately from February's 6.8 percent.

TOTAL NON-AG JOBS RISE BUT FACTORY JOBS CONTINUE DOWNWARD

Total nonagricultural wage and salary workers increased by 14,000 between February and March, an expected development but one far below last year's performance. Not surprisingly, the nonmanufacturing sector accounted for the payroll additions as manufacturing employment slipped slightly.

Factory employment recorded its sixth consecutive monthly loss in jobs - only 900 from February but totaling almost 27,000 since September.

In contrast to the experience of the past half year, durable goods did not account for the continuing downtrend. Indeed, there was a reversal of form as employment rose by approximately 600. The upturn was a product of gains in STONE, CLAY and GLASS, particularly its glass container subdivision, FABRICATED METALS, on the strength of advances in structural metal products and metal forgings and stampings, TRANSPORTATION EQUIPMENT, notably its shipbuilding and repair sector, and INSTRUMENTS, where the measuring and controlling devices segment was the principal contributor. These were sufficient to overcome extensions of cutbacks in PRIMARY METALS, in which basic steel and foundries displayed weakness, NONELECTRICAL MACHINERY, suffering from a poor performance by general industrial machinery, and ELECTRIC and ELECTRONIC EQUIPMENT, affected, at least partially, by a strike.

NONDURABLES RESPONSIBLE WITH STRIKES PROMINENT

Nondurables, hurt severely by labor-management disputes, were off by 1,500 workers. The effects of these strikes were especially noticeable in the bakery products division of FOOD and the petroleum refining division of PETROLEUM and COAL, resulting in employment reductions in both these major industries. Joined by a significant cutdown in RUBBER, on the closing of some tire production plants, the losses more than counterbalanced moderate gains in CHEMICALS (drugs and paints), PRINTING and PUBLISHING (lithographing), APPAREL (men's and boys' furnishings) and lesser ones in TEXTILES and PAPER.

Compared with last March, factory jobs were under by close to 11,000, due entirely to nondurables - with APPAREL, the major culprit. NONELECTRICAL MACHINERY provided the brightest showing.

LENGTH OF WORKWEEK SHORTENS AGAIN

If the long heralded onset of the depression was evident anywhere in these statistics, it was in production hours, the average workweek in manufacturing and one of the more sensitive indicators of the economy, which continued to slip. The 38.6 hours production workweek was the lowest since February 1978 when it was 38.4. Among the major industry groups only stone, clay and glass, petroleum and coal and printing and publishing deviated from the general trend between February and March while chemicals was unchanged.

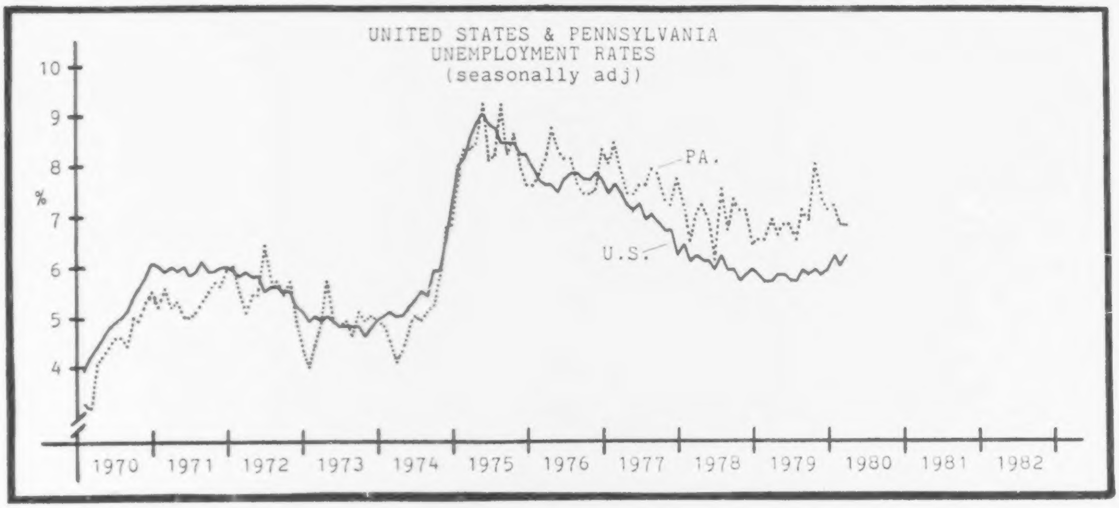
Manufacturing average hourly earnings in March were $7.41, an increase of seven cents over February. Although premium paid overtime hours worked were a factor, the bulk of the increase could be attributed to wage increases in such durable goods industries as stone, clay and glass, fabricated metals, electric and electronic equipment and transportation equipment.

Nationwide, in March, on the basis of preliminary data, hourly earnings averaged $7.05 for a 39.8 hour week.

NONMANUFACTURING JOB INCREASES BELOW NORMAL

The increasing uncertainties in the economy were reflected in the nonmanufacturing data. Although nonmanufacturing jobs climbed by 14,900, the gain was significantly below that which usually occurs between February and March. This was especially true in CONSTRUCTION, which, while posting a small increase, failed to respond to the stimulus of better weather to the degree it usually does. RETAIL TRADE and SERVICES movements behaved similarly - up, but not to the normal extent. And this, despite such favorable influences as the Easter shopping season in retail trade and the return of educational service nonprofessional workers from the semester break.

On the surface, year ago comparisons appeared pleasing with the nonmanufacturing group, as a whole, on the plus side. The 29,400 job gain, however, was achieved primarily through job additions in previous months in SERVICES.



EMPLOYMENT DATA IN THIS PUBLICATION HAVE BEEN REVISED TO FIRST QUARTER 1979 BENCHMARKS, AND ARE THEREFORE NOT STRICTLY COMPARABLE WITH FIGURES PUBLISHED PRIOR TO JANUARY 1978. DATA ARE BASED ON INDUSTRY CLASSIFICATION IN ACCORDANCE WITH THE REVISED 1972 STANDARD INDUSTRIAL CLASSIFICATION MANUAL.

[illegible]

ADDITIONAL NOTATION ON PAGE [illegible]

Table 1. Resident Employment, Unemployment and Unemployed Rate
(Thousands)

	PENNSYLVANIA					UNITED STATES				
Year	Civilian Labor Force	Em-ployment	Unem-ployment	Rate %	Seasonally Adjusted Rate %	Civilian Labor Force	Em-ployment	Unem-ployment	Rate %	Seasonally Adjusted Rate %
1962	4,474.2	4,110.5	363.7	8.1		70,614.0	66,702.0	3,911.0	5.5	
1963	4,422.9	4,090.0	332.9	7.5		71,833.0	67,762.0	4,070.0	5.7	
1964	4,430.9	4,155.2	275.7	6.2		73,091.0	69,305.0	3,786.0	5.2	
1965	4,469.3	4,263.4	205.9	4.6		74,455.0	71,088.0	3,366.0	4.5	
1966	4,558.3	4,395.0	163.3	3.6		75,770.0	72,895.0	2,875.0	3.8	
1967	4,637.0	4,467.0	170.0	3.7		77,347.0	74,372.0	2,975.0	3.8	
1968	4,634.0	4,475.0	159.0	3.4		78,737.0	75,920.0	2,817.0	3.6	
1969	4,720.0	4,566.0	154.0	3.3		80,734.0	77,902.0	2,832.0	3.5	
1970	4,828.0	4,610.0	218.0	4.5		82,715.0	78,627.0	4,088.0	4.9	
1971	4,801.0	4,542.0	260.0	5.4		84,113.0	79,120.0	4,993.0	5.9	
1972	4,870.0	4,607.0	264.0	5.4		86,542.0	81,702.0	4,840.0	5.6	
1973	4,988.0	4,747.0	241.0	4.8		88,714.0	84,409.0	4,304.0	4.9	
1974	5,036.0	4,778.0	258.0	5.1		91,011.0	85,935.0	5,076.0	5.6	
1975	5,068.0	4,646.0	421.0	8.3		92,613.0	84,783.0	7,830.0	8.5	
1976	5,094.0	4,690.0	404.0	7.9		94,773.0	87,485.0	7,288.0	7.7	
1977	5,165.0	4,767.0	398.0	7.7		97,401.0	90,546.0	6,855.0	7.0	
1978	5,255.0	4,891.0	364.0	6.9		100,420.0	94,373.0	6,047.0	6.0	
1979	5,296.0	4,930.0	366.0	6.9		102,908.0	96,945.0	5,963.0	5.8	
1979 Mar	5,271.0	4,860.0	411.0	7.8	6.9	101,665.0	95,501.0	6,165.0	6.1	5.7
Apr	5,179.0	4,860.0	320.0	6.2	6.3	101,236.0	95,675.0	5,561.0	5.5	5.8
May	5,209.0	4,915.0	294.0	5.6	6.6	101,473.0	96,220.0	5,253.0	5.2	5.8
Jun	5,333.0	4,950.0	383.0	7.2	6.6	104,153.0	97,917.0	6,235.0	6.0	5.7
Jul	5,387.0	5,047.0	340.0	6.3	6.3	104,995.0	98,891.0	6,104.0	5.8	5.7
Aug	5,339.0	4,967.0	372.0	7.0	7.3	104,363.0	98,226.0	6,137.0	5.9	5.9
Sep	5,290.0	4,933.0	356.0	6.7	7.1	103,373.0	97,576.0	5,798.0	5.6	5.8
Oct	5,348.0	4,923.0	425.0	7.9	8.3	103,939.0	98,158.0	5,781.0	5.6	5.9
Nov	5,359.0	4,990.0	368.0	6.9	7.5	103,719.0	97,943.0	5,776.0	5.6	5.8
Dec	5,331.0	4,978.0	354.0	6.6	7.3	103,884.0	98,047.0	5,836.0	5.6	5.9
1980 Jan	5,332.0	4,918.0	414.0	7.8	7.2	103,188.0	96,145.0	7,043.0	6.8	6.2
Feb	5,363.0	4,944.0	419.0	7.8	6.8	103,257.0	96,264.0	6,993.0	6.8	6.0
Mar	5,357.0	4,941.0	415.0	7.8	6.8	103,351.0	96,546.0	6,805.0	6.6	6.2

TABLE 2. TOTAL CIVILIAN LABOR FORCE, UNEMPLOYMENT AND EMPLOYMENT IN PENNSYLVANIA

RESIDENT DATA	Total – All Persons (In thousands)			Net Change From--	
	Mar. 1980	Feb. 1980	Mar. 1979	Feb. 1980	Mar. 1979
TOTAL CIVILIAN LABOR FORCE	5,357.0	5,363.0	5,271.0	-6.0	86.0
TOTAL UNEMPLOYMENT (UNADJUSTED)	415.0	419.0	411.0	-4.0	4.0
% CIVILIAN LABOR FORCE	7.8	7.8	7.8	0.0	0.0
TOTAL UNEMPLOYMENT (SEASONALLY ADJUSTED)	367.0	370.0	362.0	-3.0	5.0
% CIVILIAN LABOR FORCE	6.8	6.8	6.9	-0.0	-0.1
TOTAL EMPLOYMENT	4,941.0	4,944.0	4,860.0	-3.0	81.0

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

ESTABLISHMENT DATA	Total – All Jobs (Thousands)			Net Change From--	
	Mar. 1980	Feb. 1980	Mar. 1979	Feb. 1980	Mar. 1979
TOTAL NONAG. WAGE & SALARY EMPLOYMENT #	4,774.1	4,760.1	4,756.1	14.0	18.0
LABOR-MANAGEMENT DISPUTES	5.9	5.9	6.5	0.0	-0.6
ALL MANUFACTURING INDUSTRIES	1,371.1	1,372.0	1,381.9	-0.9	-10.8
TOTAL NONMANUFACTURING INDUSTRIES	3,397.1	3,382.2	3,367.7	14.9	29.4
Mining	49.6	50.2	51.9	-0.6	-2.3
Anthracite	3.1	3.2	3.1	-0.1	0.0
Bituminous	37.8	38.4	40.8	-0.6	-3.0
Nonmetallic minerals	4.5	4.3	4.3	0.2	0.2
Contract Construction	180.9	179.1	177.2	1.8	3.7
General building	50.9	50.9	51.5	0.0	-0.6
Heavy construction	22.5	22.0	28.8	0.5	-6.3
Special trades	107.5	106.2	96.9	1.3	10.6
Transportation	162.4	162.1	169.9	0.3	-7.5
Railroads	41.6	41.6	43.0	0.0	-1.4
Public Utilities	104.0	103.9	102.4	0.1	1.6
Communications	54.6	54.6	53.8	0.0	0.8
Electric, gas & sanitary service	49.4	49.3	48.6	0.1	0.8
Electric systems	23.6	23.5	23.2	0.1	0.4
Gas production	11.6	11.6	11.3	0.0	0.3
Wholesale trade	239.5	240.3	235.1	-0.8	4.4
Retail trade	721.9	719.5	735.1	2.4	-13.2
General merchandise stores	118.2	117.2	121.9	1.0	-3.7
Department stores	104.0	103.1	107.0	0.9	-3.0
Finance, insurance & real estate	238.7	238.0	231.4	0.7	7.3
Banking	79.1	78.8	76.1	0.3	3.0
Commercial & stock savings	72.9	72.6	70.3	0.3	2.6
Credit agencies & securities	29.8	30.0	29.4	-0.2	0.4
Insurance	70.7	70.2	68.8	0.5	1.9
Life insurance	26.4	26.3	26.1	0.1	0.3
Fire, marine & casualty	29.7	29.4	28.6	0.3	1.1
Services	977.5	971.1	931.5	6.4	46.0
Business services	128.6	127.8	120.7	0.8	7.9
Health services	306.1	305.4	299.5	0.7	6.6
Nursing & personal care	50.6	50.1	48.3	0.5	2.3
Hospitals	188.0	187.4	182.3	0.6	5.7
Educational service	156.1	149.7	129.1	6.4	27.0
Miscellaneous services	45.9	46.0	44.3	-0.1	1.6
Engineering & architectural	28.7	28.6	27.7	0.1	1.0
Government	722.6	718.0	733.2	4.6	-10.6
Federal	131.7	131.7	130.2	0.0	1.5
State & local	590.9	586.3	603.0	4.6	-12.1

TABLE 3. TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA BY MAJOR INDUSTRY DIVISIONS

(Thousands)

Year and Month	Total Nonagr. Wage & Salary	Private Sector Wage & Salary	All Manu-facturing	Total Non-Manu-facturing	Mining	Contract Construction	Trade		
							Total	Wholesale	Retail
1968	4,263.5	3,675.3	1,570.0	2,693.4	38.0	190.2	779.0	197.5	581.5
1969	4,374.9	3,765.6	1,588.9	2,786.1	38.6	198.5	806.3	201.7	604.7
1970	4,351.6	3,732.9	1,528.8	2,822.8	39.5	192.0	816.5	203.2	613.3
1971	4,291.3	3,662.2	1,438.1	2,853.3	38.0	189.0	828.8	203.3	625.5
1972	4,400.0	3,748.1	1,444.0	2,956.0	40.2	203.1	855.3	206.8	648.5
1973	4,506.5	3,847.7	1,480.1	3,026.4	39.7	205.9	886.5	212.5	674.0
1974	4,514.6	3,832.6	1,464.5	3,050.1	42.1	200.6	879.0	213.4	665.6
1975	4,435.8	3,714.4	1,334.8	3,101.0	46.1	184.5	886.8	216.1	670.8
1976	4,512.8	3,790.7	1,335.2	3,177.5	48.3	180.3	919.3	220.7	698.6
1977	4,565.0	3,853.8	1,341.5	3,223.5	48.0	183.9	939.0	221.7	717.2
1978	4,724.6	3,999.7	1,369.2	3,355.4	46.8	199.0	983.7	230.8	752.9
1979	4,830.6	4,107.9	1,389.8	3,440.8	52.0	205.8	990.0	238.1	751.9
1979 Mar.	4,749.6	4,016.4	1,381.9	3,367.7	51.9	177.2	970.2	235.1	735.1
Apr.	4,819.4	4,082.9	1,389.5	3,429.9	52.2	197.9	987.4	237.1	750.3
May	4,863.0	4,122.0	1,392.2	3,470.8	52.1	209.8	996.3	237.8	758.5
Jun.	4,911.3	4,175.5	1,409.8	3,501.5	52.7	218.3	1,001.8	240.6	761.2
Jul.	4,852.6	4,142.8	1,397.1	3,455.5	52.3	226.8	987.8	241.1	746.7
Aug.	4,845.7	4,137.7	1,390.4	3,455.3	51.9	227.1	986.6	240.6	746.0
Sep.	4,855.9	4,157.7	1,398.0	3,457.9	52.5	225.6	989.5	237.5	752.0
Oct.	4,896.8	4,182.8	1,394.6	3,502.2	51.4	225.1	1,002.7	240.0	762.7
Nov.	4,855.5	4,128.2	1,390.2	3,465.3	51.9	220.0	1,006.8	240.8	766.0
Dec.	4,882.5	4,154.3	1,383.7	3,498.8	51.1	209.7	1,012.9	240.6	772.3
1980 Jan.	4,779.1	4,062.6	1,374.3	3,404.8	50.7	190.5	978.9	240.3	738.6
Feb.	4,754.2	4,036.2	1,372.0	3,382.2	50.2	179.1	959.8	240.3	719.5
Mar.	4,768.2	4,045.6	1,371.1	3,397.1	49.6	180.9	966.4	239.5	721.9

Year and Month	Transportation	Public Utilities	Finance, Insurance & Real Estate	Services and Miscellaneous			Government		
				Total	Hospitals	Other Services	Total	Federal	State & Local
1968	INA	INA	177.7	651.8	INA	INA	588.1	147.5	440.7
1969	INA	INA	183.1	682.6	INA	INA	609.4	146.5	462.8
1970	INA	INA	189.9	698.8	INA	INA	618.7	145.4	473.3
1971	INA	INA	193.7	709.9	INA	INA	629.2	138.5	490.7
1972	161.3	104.7	200.5	739.0	148.2	590.8	651.4	137.6	513.8
1973	161.6	105.5	206.5	762.1	151.9	610.2	658.2	136.4	521.8
1974	161.1	104.4	207.3	773.6	154.9	618.7	681.5	136.6	544.9
1975	154.0	102.5	207.3	798.5	159.8	638.7	720.9	134.4	586.5
1976	155.4	101.1	211.4	839.7	165.5	674.2	721.6	131.8	589.8
1977	160.7	100.7	217.5	862.4	171.1	691.3	711.2	128.1	583.0
1978	165.7	101.5	226.6	907.2	177.9	729.3	724.9	129.5	595.4
1979	169.5	103.5	235.4	961.8	184.6	777.2	722.7	131.6	591.2
1979 Mar.	169.9	102.4	231.4	931.5	182.3	749.2	733.2	130.2	603.0
Apr.	169.3	102.5	232.7	951.4	182.9	768.5	736.5	130.8	605.7
May	172.5	102.9	234.7	961.5	183.1	778.4	741.0	131.2	609.8
Jun.	173.2	104.2	238.4	977.1	185.9	791.2	735.8	132.9	602.9
Jul.	166.3	105.0	239.5	968.0	186.7	781.3	709.8	133.5	576.3
Aug.	166.1	105.0	239.4	971.2	186.0	785.2	708.0	132.6	575.4
Sep.	170.9	104.0	236.9	980.3	185.6	794.7	698.2	131.4	566.8
Oct.	172.3	103.9	237.1	995.7	185.9	809.8	714.0	131.1	582.9
Nov.	171.3	104.0	237.7	946.9	186.4	760.5	726.7	132.1	594.6
Dec.	168.5	104.0	237.9	986.5	186.2	800.3	728.2	132.8	595.4
1980 Jan.	163.3	103.8	237.7	963.4	186.8	776.6	716.5	131.9	584.6
Feb.	162.1	103.9	238.0	971.1	187.4	783.7	718.0	131.7	586.3
Mar.	162.4	104.0	238.7	977.5	188.0	789.5	722.6	131.7	590.9

TABLE 4. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRY GROUPS

(Per 100 Employees)

FEBRUARY 1980

Industry	Employment (Thousands)	Accession Rates								
		Total			New Hires			Recalls		
		Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979
All Manufacturing	1,372.0	2.8	3.2	2.6	1.4	1.5	1.6	1.2	1.4	0.9
Durable Goods	845.8	2.4	2.8	2.4	1.1	1.2	1.4	1.1	1.3	0.8
Furniture & Fixtures	20.0	3.7	3.5	3.7	2.2	1.9	2.3	1.3	1.5	1.5
Stone, Clay & Glass Products	62.0	2.5	2.5	2.6	0.5	0.6	0.8	1.9	1.8	1.6
Primary Metal Industries	197.3	2.4	2.5	2.3	0.6	0.7	1.3	1.5	1.5	0.8
Fabricated Metal Products	115.8	2.9	4.2	2.6	1.3	1.4	1.7	1.3	2.5	0.7
Machinery, exc. Electrical	146.7	1.6	1.9	1.7	1.2	1.5	1.4	0.3	0.3	0.2
Electric & Electronic Equip.	127.1	1.9	2.4	2.2	1.0	1.3	1.2	0.4	0.6	0.6
Transportation Equipment	86.5	3.1	2.9	2.0	1.3	1.4	1.3	1.5	1.2	0.4
Instruments & Related Products	43.0	1.9	1.7	2.6	1.4	1.2	2.4	0.3	0.4	0.1
Miscellaneous Manufacturing	24.7	4.0	2.3	3.2	1.5	1.3	1.6	2.5	0.9	1.4
Nondurable Goods	526.2	3.3	3.8	3.1	1.9	2.0	1.9	1.2	1.6	1.1
Food & Kindred Products	97.7	2.9	2.6	3.1	1.4	1.4	1.5	1.3	1.1	1.4
Textile Mill Products	47.1	4.3	3.9	3.0	2.9	2.8	2.1	1.3	1.0	0.8
Apparel & Related Products	126.0	5.4	6.8	4.9	2.7	2.9	2.7	2.4	3.6	1.9
Paper & Allied Products	43.5	2.7	2.4	2.0	1.6	1.1	1.1	1.0	1.1	0.8
Printing & Publishing	73.4	2.2	2.7	2.4	1.6	1.9	1.6	0.6	0.8	0.7
Chemicals & Allied Products	61.1	1.8	1.7	1.5	1.2	1.1	1.2	0.4	0.4	0.3
Petroleum & Coal Products	15.7	0.9	1.2	1.0	0.5	0.9	0.6	0.3	0.1	0.3
Rubber & Plastics Products	41.1	2.2	3.2	3.0	1.3	1.7	2.0	0.7	1.2	0.8
Leather & Leather Products	17.4	5.4	7.0	4.4	4.0	5.0	3.4	1.3	1.7	0.5

Industry	Employment (Thousands)	Separation Rates								
		Total			Quits			Layoffs		
		Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979
All Manufacturing	1,372.0	2.9	3.3	2.5	0.9	0.9	0.9	1.3	1.7	0.9
Durable Goods	845.8	2.8	3.1	2.3	0.6	0.6	0.6	1.4	1.8	0.9
Furniture & Fixtures	20.0	3.7	5.3	4.2	1.3	1.3	1.6	1.6	3.2	1.5
Stone, Clay & Glass Products	62.0	2.8	3.9	2.4	0.5	0.5	0.5	1.9	2.8	1.2
Primary Metal Industries	197.3	2.5	2.8	1.8	0.4	0.3	0.4	1.3	1.6	0.5
Fabricated Metal Products	115.8	3.1	4.4	2.7	0.6	0.6	0.7	1.8	3.0	1.3
Machinery, exc. Electrical	146.7	1.7	1.7	1.3	0.7	0.7	0.6	0.5	0.5	0.2
Electric & Electronic Equip.	127.1	3.3	2.5	2.2	0.7	0.7	0.7	1.5	0.9	0.8
Transportation Equipment	86.5	3.5	3.4	2.9	0.5	0.5	0.5	2.0	1.8	1.4
Instruments & Related Products	43.0	2.1	2.1	2.5	0.6	0.6	1.1	1.0	0.7	0.3
Miscellaneous Manufacturing	24.7	3.7	4.7	2.3	0.9	1.2	0.8	2.0	2.7	0.6
Nondurable Goods	526.2	3.1	3.7	2.9	1.3	1.3	1.3	1.1	1.7	1.0
Food & Kindred Products	97.7	3.4	4.4	3.5	1.1	1.4	1.5	1.6	2.4	1.5
Textile Mill Products	47.1	3.7	3.9	3.4	2.3	1.9	2.2	0.8	1.3	0.6
Apparel & Related Products	126.0	3.8	4.7	3.9	1.7	1.7	1.6	1.4	2.3	1.8
Paper & Allied Products	43.5	2.8	2.8	1.9	0.6	0.8	0.8	1.5	1.3	0.6
Printing & Publishing	73.4	2.2	2.4	1.9	1.2	1.0	1.1	0.6	0.9	0.5
Chemicals & Allied Products	61.1	1.6	1.9	1.4	0.5	0.6	0.5	0.2	0.6	0.3
Petroleum & Coal Products	15.7	1.2	1.1	1.2	0.3	0.4	0.4	0.1	0.2	0.2
Rubber & Plastics Products	41.1	3.8	4.0	2.7	0.9	1.2	1.2	2.1	2.1	0.9
Leather & Leather Products	17.4	5.3	6.1	5.4	3.3	3.6	3.2	1.2	1.8	1.5

N = Negligible

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

Industry Detail

(Thousands)

SIC	Industry	Total – All Employees			Net Change From –	
		Mar. 1980	Feb. 1980	Mar. 1979	Feb. 1980	Mar. 1979
	TOTAL MANUFACTURING INDUSTRIES	1,371.1	1,372.0	1,381.9	-0.9	-10.8
	TOTAL DURABLE GOODS	846.4	845.8	845.8	0.6	0.6
24	Lumber & wood products	22.7	22.7	22.2	0.0	0.5
243	Millwork, plywood & structural	7.0	7.1	7.3	-0.1	-0.3
	Other lumber & wood products	15.7	15.6	14.9	0.1	0.8
25	Furniture & fixtures	20.0	20.0	20.2	0.0	-0.2
251	Household furniture	9.6	9.5	9.6	0.1	0.0
252	Office furniture	4.7	4.7	4.9	0.0	-0.2
	Other furniture & fixtures	5.7	5.8	5.7	-0.1	0.0
32	Stone, clay & glass products	62.5	62.0	64.2	0.5	-1.7
322	Glass & glassware, pressed or blown	16.1	15.8	17.0	0.3	-0.9
3221	Glass containers	8.3	8.1	9.2	0.2	-0.9
3229	Other pressed or blown glass	7.8	7.7	7.8	0.1	0.0
324	Hydraulic cement	3.2	3.1	3.4	0.1	-0.2
325	Structural clay products	6.4	6.4	6.6	0.0	-0.2
326	Pottery & related products	5.1	5.2	5.3	-0.1	-0.2
327	Concrete, gypsum & plaster products	8.4	8.2	8.3	0.2	0.1
	Other stone, clay & glass products	23.3	23.3	23.6	0.0	-0.3
33	Primary metal industries	196.7	197.3	201.6	-0.6	-4.9
331	Blast furnace & basic steel products	147.1	147.4	150.2	-0.3	-3.1
3312	Blast furnaces & steel mills	133.9	134.4	137.6	-0.5	-3.7
	Other basic steel products	13.2	13.0	12.6	0.2	0.6
332	Iron & steel foundries	20.3	20.6	20.8	-0.3	-0.5
3321	Gray iron foundries	7.7	8.0	8.2	-0.3	-0.5
3325	Steel foundries, n.e.c.	7.6	7.6	7.5	0.0	0.1
3322,4	Malleable iron & steel invest.	5.0	5.0	5.1	0.0	-0.1
335	Nonferrous rolling & drawing	13.0	12.9	12.7	0.1	0.3
336	Nonferrous foundries	7.8	7.7	7.8	0.1	0.0
	Other primary metal products	8.5	8.7	10.1	-0.2	-1.6
34	Fabricated metal products, (incl. ordnance)	116.5	115.8	115.5	0.7	1.0
341	Metal cans & shipping containers	4.9	5.0	5.1	-0.1	-0.2
342	Cutlery, hand tools & hardware	7.8	7.7	7.7	0.1	0.1
343	Plumbing & heating exc. electrical	3.6	3.5	3.5	0.1	0.1
344	Fabricated structural metal products	37.0	36.6	36.0	0.4	1.0
3441	Fabricated structural metal	9.3	9.2	9.2	0.1	0.1
3443	Fabricated plate work (boiler shops)	11.3	11.3	11.2	0.0	0.1
	Other fabricated struct. metal products	16.4	16.1	15.6	0.3	0.8
345	Screw machine products, bolts, etc.	9.2	9.1	9.0	0.1	0.2
346	Metal forgings & stampings	21.3	21.1	21.6	0.2	-0.3
3462	Iron & steel forgings	6.6	6.6	6.4	0.0	0.2
	Other metal forgings & stampings	14.7	14.5	15.2	0.2	-0.5
347,8	Metal services & ordnance, n.e.c.	8.2	8.2	8.2	0.0	0.0
349	Misc. fabricated metal products	24.5	24.6	24.4	-0.1	0.1
3494	Valves & pipe fittings	11.2	11.1	10.9	0.1	0.3
	Other misc. fabricated metal products	13.3	13.5	13.5	-0.2	-0.2
35	Machinery, exc. electrical	146.4	146.7	140.9	-0.3	5.5
351	Engines & turbines	7.2	7.3	7.6	-0.1	-0.4
352	Farm & garden machinery	4.8	4.7	4.4	0.1	0.4
353	Construction & related machinery	26.0	26.0	25.4	0.0	0.6
3531	Construction machinery	9.5	9.3	9.6	0.2	-0.1
3535	Conveyors & conveying equipment	3.3	3.4	3.4	-0.1	-0.1
	Other construction & related machinery	13.2	13.3	12.4	-0.1	0.8
354	Metal working machinery	24.8	24.8	22.3	0.0	2.5
355	Special industry machinery	13.8	13.7	13.0	0.1	0.8
356	General industrial machinery	29.7	30.0	29.5	-0.3	0.2
3561	Pumps & pumping equipment	3.9	4.0	3.9	-0.1	0.0
3562	Ball & roller bearings	4.3	4.4	4.4	-0.1	-0.1
3563	Air & gas compressors	5.4	5.4	5.4	0.0	0.0
3567	Industrial furnaces & ovens	4.1	4.1	4.0	0.0	0.1
	Other general industrial machinery	12.0	12.1	11.8	-0.1	0.2

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
(cont.)
Industry Detail
(Thousands)

SIC Code	Industry	Total – All Employees			Net Change –	
		Mar. 1980	Feb. 1980	Mar. 1979	Feb. 1980	Mar. 1979
357	Office and computing machines	12.9	12.9	12.5	0.0	0.4
358	Refrigeration & service industry machinery	11.9	12.0	11.8	-0.1	0.1
359	Misc. machinery, exc. electrical	15.3	15.3	14.4	0.0	0.9
36	Electric & electronic equipment	126.7	127.1	125.9	-0.4	0.8
361	Electric distributing equipment	18.5	18.6	20.4	-0.1	-1.9
3612	Transformers	6.1	6.2	6.4	-0.1	-0.3
3613	Switchgear & switchboard apparatus	12.4	12.4	14.0	0.0	-1.6
362	Electrical industrial apparatus	24.0	24.0	23.9	0.0	0.1
363	Household appliances	4.5	4.6	4.5	-0.1	0.0
364	Electric lighting & wiring equipment	22.7	22.4	22.2	0.3	0.5
3643	Current-carrying wiring devices	11.4	11.0	11.1	0.4	0.3
	Other electric light & wiring equipment	11.3	11.4	11.1	-0.1	0.2
366	Communication equipment	9.0	9.1	8.7	-0.1	0.3
367	Electronic components & accessories	37.2	37.4	34.9	-0.2	2.3
3674	Semiconductors & related devices	12.8	12.8	11.2	0.0	1.6
	Other electronic components & accessories	24.4	24.6	23.7	-0.2	0.7
	Other electrical equipment & supplies	10.8	11.0	11.3	-0.2	-0.5
37	Transportation equipment	86.9	86.5	86.5	0.4	0.4
371	Motor vehicles & equipment	29.6	29.5	32.7	0.1	-3.1
3714	Motor vehicle parts & accessories	11.8	11.4	12.7	0.4	-0.9
	Other motor vehicles & equipment	17.8	18.1	20.0	-0.3	-2.2
372	Aircraft & parts	12.2	12.3	11.6	-0.1	0.6
373	Ship & boat building & repairing	8.3	7.9	7.7	0.4	0.6
374	Railroad equipment	23.7	23.9	23.4	-0.2	0.3
	Other transportation equipment	13.1	12.9	11.1	0.2	2.0
38	Instruments & related products	43.3	43.0	42.6	0.3	0.7
382	Measuring & controlling devices	23.9	23.7	23.5	0.2	0.4
384	Medical instruments & supplies	11.6	11.6	11.7	0.0	-0.1
	Other instruments & related products	7.8	7.7	7.4	0.1	0.4
39	Miscellaneous manufacturing industries	24.7	24.7	26.2	0.0	-1.5
	TOTAL NONDURABLE GOODS	524.7	526.2	536.1	-1.5	-11.4
20	Food & kindred products	97.1	97.7	98.4	-0.6	-1.3
201	Meat products	16.9	16.6	16.0	0.3	0.9
2011	Meat packing plants	5.4	5.4	5.2	0.0	0.2
2013	Sausages & other prepared meats	5.7	5.6	5.7	0.1	0.0
2016,7	Poultry dressing & processing	5.8	5.6	5.1	0.2	0.7
202	Dairy products	11.7	11.4	11.4	0.3	0.3
2026	Fluid milk	6.8	6.7	6.8	0.1	0.0
	Other dairy products	4.9	4.7	4.6	0.2	0.3
203	Preserved fruits & vegetables	11.5	12.0	12.8	-0.5	-1.3
2033	Canned fruits & vegetables	4.9	5.1	5.6	-0.2	-0.7
	Other preserved fruits & vegetables	6.6	6.9	7.2	-0.3	-0.6
204	Grain mill products	5.2	5.1	4.8	0.1	0.4
205	Bakery products	18.8	19.5	19.7	-0.7	-0.9
2051	Bread, cake & related products	14.5	14.7	15.1	-0.2	-0.6
2052	Cookies & crackers	4.3	4.8	4.6	-0.5	-0.3
206	Sugar & confectionery products	15.3	15.4	15.7	-0.1	-0.4
2065	Confectionery products	6.1	6.1	6.5	0.0	-0.4
2066	Chocolate & cocoa products	6.1	6.2	5.9	-0.1	0.2
	Other sugar products	3.1	3.1	3.3	0.0	-0.2
208	Beverages	9.3	9.2	9.6	0.1	-0.3
	Other food & kindred products	8.4	8.5	8.4	-0.1	0.0
21	Tobacco manufacturers	3.2	3.2	3.8	0.0	-0.6
22	Textile mill products	47.3	47.1	48.9	0.2	-1.6
222	Weaving mills, snythetics	4.5	4.4	4.5	0.1	0.0
225	Knitting mills	24.1	24.0	24.5	0.1	-0.4
2253	Knit outerwear mills	12.3	12.3	12.8	0.0	-0.5
2254	Knit underwear mills	4.8	4.8	5.0	0.0	-0.2
	Other knitting mills	7.0	6.9	6.7	0.1	0.3
227	Floor covering mills	3.9	3.6	4.0	0.3	-0.1
228	Yarn & thread mills	4.7	4.9	5.3	-0.2	-0.6
	Other textile mill products	10.1	10.2	10.6	-0.1	-0.5

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

(concl.)

Industry Detail

(Thousands)

SIC	Industry	Total – All Employees			Net Change From –	
		Mar. 1980	Feb. 1980	Mar. 1979	Feb. 1980	Mar. 1979
23	Apparel & other textile products	126.4	126.0	132.3	0.4	-5.9
231	Mens & boys suits & coats	14.8	14.9	15.2	-0.1	-0.4
232	Mens & boys furnishings	24.4	24.2	25.0	0.2	-0.6
2321	Mens & boys shirts & nightwear	8.7	8.9	9.3	-0.2	-0.6
2327	Mens & boys separate trousers	6.2	6.1	6.3	0.1	-0.1
	Other furnishings and work clothing	9.5	9.2	9.4	0.3	0.1
233	Womens & misses outerwear	57.7	57.6	61.5	0.1	-3.8
234	Women & childrens undergarments	10.1	10.0	10.4	0.1	-0.3
236	Childrens outerwear	6.8	7.0	7.5	-0.2	-0.7
	Other apparel & textile products	12.6	12.3	12.7	0.3	-0.1
26	Paper & allied products	43.6	43.5	44.6	0.1	-1.0
262	Paper mills exc. building paper	11.8	11.8	12.0	0.0	-0.2
265	Paper board containers & boxes	14.2	14.5	15.3	-0.3	-1.1
2653	Corrugated & solid fiber boxes	7.5	7.7	8.0	-0.2	-0.5
	Other paperboard containers	6.7	6.8	7.3	-0.1	-0.6
	Other paper & allied products	17.6	17.2	17.3	0.4	0.3
27	Printing & publishing	74.0	73.4	71.8	0.6	2.2
271	Newspapers	26.1	26.1	25.5	0.0	0.6
273	Books	8.2	8.1	8.1	0.1	0.1
275	Commercial printing	21.3	20.9	20.5	0.4	0.8
2752	Lithographing	10.8	10.4	10.1	0.4	0.7
	Other commercial printing	10.5	10.5	10.4	0.0	0.1
276	Manifold business forms	3.8	3.8	3.7	0.0	0.1
	Other printing & publishing	14.6	14.5	14.0	0.1	0.6
28	Chemicals & allied products	61.7	61.1	60.4	0.6	1.3
281	Industrial inorganic chemicals	11.1	11.2	10.6	-0.1	0.5
282	Plastic materials & synthetics	8.7	8.7	8.6	0.0	0.1
283	Drugs	17.7	17.3	16.9	0.4	0.8
284	Soap, cleaners & toliet goods	3.2	3.2	3.2	0.0	0.0
285	Paints & allied products	4.4	4.2	4.5	0.2	-0.1
	Other chemical & allied products	16.6	16.5	16.6	0.1	0.0
29	Petroleum & coal products	14.4	15.7	16.5	-1.3	-2.1
291	Petroleum refining	10.8	12.1	13.1	-1.3	-2.3
	Other petroleum & coal products	3.6	3.6	3.4	0.0	0.2
30	Rubber & misc. plastic products	39.7	41.1	41.6	-1.4	-1.9
301	Tires & inner tubes	6.0	7.1	8.0	-1.1	-2.0
306	Fabricated rubber products	5.2	5.2	5.3	0.0	-0.1
	Other rubber & plastic products, n.e.c.	28.5	28.8	28.3	-0.3	0.2
31	Leather & leather products	17.3	17.4	17.8	-0.1	-0.5
314	Footwear, exc. rubber	13.5	13.6	13.8	-0.1	-0.3
3143	Mens footwear, exc. athletic	5.1	5.3	5.5	-0.2	-0.4
3144	Womens footwear, exc. athletic	4.6	4.6	4.5	0.0	0.1
	Other footwear	3.8	3.7	3.8	0.1	0.0
	Other leather & leather products	3.8	3.8	4.0	0.0	-0.2

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES

Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979
TOTAL MANUFACTURING INDUSTRIES	$286.03	$286.26	$274.44	38.6	39.0	40.3	$7.41	$7.34	$6.81
TOTAL DURABLE GOODS	324.72	324.80	313.50	39.6	40.0	41.8	8.20	8.12	7.50
Lumber & wood products	214.62	213.88	191.57	38.6	39.1	38.7	5.56	5.47	4.95
Millwork, plywood & structural	211.31	211.25	197.51	37.4	38.2	38.5	5.65	5.53	5.13
Other lumber & wood products	215.83	214.88	188.57	39.1	39.5	38.8	5.52	5.44	4.86
Furniture & fixtures	237.46	238.39	215.36	38.8	39.6	39.3	6.12	6.02	5.48
Household furniture	209.76	211.53	196.72	38.0	39.1	38.8	5.52	5.41	5.07
Office furniture	252.88	256.62	234.42	38.2	39.0	39.8	6.62	6.58	5.89
Other furniture & fixtures	275.52	271.26	232.43	41.0	41.1	39.8	6.72	6.60	5.84
Stone, clay & glass products	308.39	300.85	292.72	40.9	40.6	42.3	7.54	7.41	6.92
Glass & glassware, pressed or blown	262.44	250.99	273.48	36.4	35.4	40.1	7.21	7.09	6.82
Glass containers	231.19	214.42	292.45	31.8	30.5	41.6	7.27	7.03	7.03
Other pressed or blown glass	293.97	287.74	251.14	41.0	40.3	38.4	7.17	7.14	6.54
Hydraulic cement	432.60	370.59	375.72	42.0	37.7	41.7	10.30	9.83	9.01
Structural clay products	268.77	266.13	263.94	39.7	39.9	41.5	6.77	6.67	6.36
Pottery & related products	282.05	284.38	272.79	41.6	42.7	43.3	6.78	6.66	6.30
Concrete, gypsum & plaster prods.	271.67	274.01	266.15	38.7	39.2	41.2	7.02	6.99	6.46
Other stone, clay & glass prods.	371.54	367.02	327.33	46.5	46.4	45.4	7.99	7.91	7.21
Primary metal industries	391.79	393.02	387.74	37.6	37.9	42.1	10.42	10.37	9.21
Blast furnace & basic steel prods.	416.72	418.38	418.05	36.3	36.7	42.1	11.48	11.40	9.93
Blast furnaces & steel mills	421.37	422.82	422.35	35.8	36.2	41.9	11.77	11.68	10.08
Other basic steel products	373.15	376.26	372.07	41.6	41.9	44.4	8.97	8.98	8.38
Iron & steel foundries	315.59	318.79	297.11	40.1	40.2	40.7	7.87	7.93	7.30
Gray iron foundries	304.76	299.65	291.81	40.1	39.9	41.1	7.60	7.51	7.10
Steel foundries, n.e.c.	319.14	323.59	305.96	39.4	39.9	40.1	8.10	8.11	7.63
Malleable iron & steel invest.	327.54	343.61	292.84	41.2	41.2	40.9	7.95	8.34	7.16
Nonferrous rolling & drawing	329.57	334.85	305.44	41.3	41.7	42.6	7.98	8.03	7.17
Nonferrous foundries	298.85	297.47	279.29	43.0	43.3	43.1	6.95	6.87	6.48
Other primary metal products	316.30	318.97	306.88	42.4	42.7	42.8	7.46	7.47	7.17
Fabricated metal prods., incl. ordn.	299.25	298.56	287.04	39.9	40.4	41.3	7.50	7.39	6.95
Metal cans & shipping containers	341.28	339.01	364.52	39.5	40.6	46.2	8.64	8.35	7.89
Cutlery, hand tools & hardware	242.99	245.22	221.76	39.9	40.2	38.3	6.09	6.10	5.79
Plumbing & heating exc. electrical	288.69	283.85	261.02	41.3	40.9	42.1	6.99	6.94	6.20
Fabricated structural metal prods.	282.82	287.03	261.23	39.5	40.2	39.7	7.16	7.14	6.58
Fabricated struct. metal	288.17	289.17	264.48	35.1	35.7	35.5	8.21	8.10	7.45
Fab. plate work (boiler shops)	295.30	295.82	285.35	40.9	41.2	43.3	7.22	7.18	6.59
Other fab. struct. metal prods.	271.58	281.23	243.36	40.9	42.1	39.7	6.64	6.68	6.13
Screw machine products, bolts, etc.	303.56	288.86	271.74	41.3	40.8	42.0	7.35	7.08	6.47
Metal forgings & stampings	368.55	355.39	361.20	39.8	39.4	43.0	9.26	9.02	8.40
Iron & steel forgings	312.12	314.91	319.37	40.8	41.6	43.1	7.65	7.57	7.41
Other metal forgings & stampings	387.70	369.40	374.52	39.4	38.6	42.9	9.84	9.57	8.73
Metal services & ordnance, n.e.c.	267.44	285.53	270.03	39.1	42.3	41.8	6.84	6.75	6.46
Misc. fabricated metal products	283.31	284.38	273.24	40.3	40.8	41.4	7.03	6.97	6.60
Valves & pipe fittings	295.08	287.85	271.67	40.7	40.6	41.1	7.25	7.09	6.61
Other misc. fab. metal products	274.40	281.39	274.14	40.0	40.9	41.6	6.86	6.88	6.59
Machinery, exc. electrical	329.43	329.33	310.17	41.7	41.9	42.9	7.90	7.86	7.23
Engines & turbines	357.86	343.15	298.69	42.4	40.9	41.6	8.44	8.39	7.18
Farm & garden machinery	438.48	436.46	387.87	50.4	50.4	49.6	8.70	8.66	7.82
Construction & related machinery	325.92	328.16	325.71	38.8	39.3	42.3	8.40	8.35	7.70
Construction machinery	325.01	324.76	343.20	36.6	37.2	42.9	8.88	8.73	8.00
Conveyors & conveying equipment	310.99	315.84	247.74	41.3	42.0	39.2	7.53	7.52	6.32
Other constr. & related mach.	329.24	332.51	320.12	40.2	40.5	42.4	8.19	8.21	7.55
Metal working machinery	321.60	317.98	311.25	40.1	40.2	41.5	8.02	7.91	7.50
Special industry machinery	318.10	319.88	287.58	41.8	42.2	41.2	7.61	7.58	6.98
General industrial machinery	340.52	347.10	319.12	43.6	44.5	44.2	7.81	7.80	7.22
Pumps & pumping equipment	334.14	320.80	293.72	41.1	41.5	41.9	8.13	7.73	7.01
Ball & roller bearings	279.72	329.30	312.44	37.8	42.6	42.8	7.40	7.73	7.30
Air & gas compressors	376.66	389.77	338.18	47.2	48.6	47.1	7.98	8.02	7.18
Industrial furnaces & ovens	313.91	307.32	301.90	40.4	39.0	41.3	7.77	7.88	7.31
Other general industrial mach.	356.46	354.95	324.18	45.7	45.8	44.9	7.80	7.75	7.22
Office and computing machines	380.95	362.46	343.83	44.4	42.0	45.3	8.58	8.63	7.59
Refrigeration & serv. ind. mach.	259.91	258.64	242.79	39.5	39.4	40.6	6.58	6.56	5.98
Misc. machinery, exc. electrical	318.33	318.86	298.76	42.5	42.8	44.0	7.49	7.45	6.79

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES

(cont.)

Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979
Electrical & electronic equipment	$282.49	$285.31	$264.68	39.9	40.7	41.1	$7.08	$7.01	$6.44
Electric distributing equipment	342.79	331.30	314.34	41.4	40.7	41.8	8.28	8.14	7.52
Transformers	324.30	321.83	311.74	39.5	39.2	43.6	8.21	8.21	7.15
Switchgear & switchbrd apparatus	351.94	336.57	314.93	42.3	41.5	40.9	8.32	8.11	7.70
Electrical industrial apparatus	273.86	278.39	271.35	38.9	39.6	40.5	7.04	7.03	6.70
Household appliances	234.18	258.61	255.30	34.9	38.2	38.8	6.71	6.77	6.58
Electric lighting & wiring equip.	286.48	284.86	249.83	41.7	42.9	41.5	6.87	6.64	6.02
Current-carrying wiring devices	323.18	313.88	252.95	45.2	46.5	41.4	7.15	6.75	6.11
Other elect lght & wirng equip.	262.01	267.40	247.76	39.4	40.7	41.5	6.65	6.57	5.97
Communication equipment	323.23	323.25	301.56	41.6	42.2	42.0	7.77	7.66	7.18
Electronic components & access.	276.48	283.56	250.92	40.9	41.7	42.1	6.76	6.80	5.96
Semiconductors & related devices	356.58	370.40	312.44	42.5	44.2	42.8	8.39	8.38	7.30
Other electronic comp.& access.	235.79	239.98	223.63	40.1	40.4	41.8	5.88	5.94	5.35
Other electrical equip. & supplies	224.38	241.12	232.32	34.1	36.7	38.4	6.58	6.57	6.05
Transportation equipment	348.88	349.74	341.88	39.6	40.2	42.0	8.81	8.70	8.14
Motor vehicles & equipment	354.11	342.53	368.05	38.7	38.4	42.5	9.15	8.92	8.66
Motor vehicle parts & access.	362.12	349.30	385.88	37.8	38.3	43.9	9.58	9.12	8.79
Other motor vehicles & equip.	347.90	337.15	356.10	39.4	38.4	41.6	8.83	8.78	8.56
Aircraft & parts	357.76	359.53	324.17	41.6	42.1	42.1	8.60	8.54	7.70
Ship & boat building & repairing	327.04	356.66	322.39	36.5	40.3	42.7	8.96	8.85	7.55
Railroad equipment	368.68	370.40	334.11	39.6	40.0	40.4	9.31	9.26	8.27
Other transportation equipment	295.67	305.92	292.54	43.1	44.4	44.8	6.86	6.89	6.53
Instruments & related products	269.89	275.93	263.55	39.4	40.4	41.9	6.85	6.83	6.29
Measuring & controlling devices	294.38	301.31	285.52	41.0	42.2	43.0	7.18	7.14	6.64
Medical instruments & supplies	229.95	234.24	231.34	36.5	37.3	40.8	6.30	6.28	5.67
Other instruments & related prods.	250.51	255.32	246.21	38.6	39.1	40.1	6.49	6.53	6.14
Misc. manufacturing industries	266.66	264.92	257.40	39.8	40.2	40.6	6.70	6.59	6.34
TOTAL NONDURABLE GOODS	225.57	227.10	215.65	37.1	37.6	38.1	6.08	6.04	5.66
Food & kindred products	259.90	260.95	247.02	39.2	39.3	40.1	6.63	6.64	6.16
Meat products	269.69	268.92	252.14	40.8	40.5	41.2	6.61	6.64	6.12
Meat packing plants	287.64	302.62	283.24	37.6	39.2	41.9	7.65	7.72	6.76
Sausages & other prepared meats	303:77	297.00	270.97	38.5	37.5	38.6	7.89	7.92	7.02
Poultry dressing & processing	226.05	216.58	203.35	45.3	44.2	42.9	4.99	4.90	4.74
Dairy products	284.96	280.30	264.81	41.6	41.1	41.9	6.85	6.82	6.32
Fluid milk	286.47	286.21	268.61	41.1	41.3	42.3	6.97	6.93	6.35
Other dairy products	283.92	275.26	261.66	42.0	40.9	41.6	6.76	6.73	6.29
Preserved fruits & vegetables	216.00	213.84	204.00	36.0	35.7	37.5	6.00	5.99	5.44
Canned fruits & vegetables	174.15	173.89	164.86	34.9	35.2	36.8	4.99	4.94	4.48
Other preserved fruits & vegs.	251.29	246.88	239.13	36.9	36.2	38.2	6.81	6.82	6.26
Grain mill products	311.58	323.44	266.66	43.7	45.3	39.8	7.13	7.14	6.70
Bakery products	236.23	245.22	233.92	38.6	38.8	38.6	6.12	6.32	6.06
Bread, cake & related products	258.30	241.92	235.35	38.9	37.8	38.9	6.64	6.40	6.05
Cookies & crackers	171.08	253.18	230.66	37.6	41.1	38.0	4.55	6.16	6.07
Sugar & confectionery products	255.14	263.84	257.04	36.5	37.8	40.1	6.99	6.98	6.41
Confectionery products	210.02	213.71	228.28	34.6	35.5	39.7	6.07	6.02	5.75
Chocolate & cocoa products	282.98	291.40	265.83	38.5	39.7	40.4	7.35	7.34	6.58
Other sugar products	298.00	317.88	308.66	36.7	39.1	40.4	8.12	8.13	7.64
Beverages	331.70	319.48	312.80	40.5	39.2	42.5	8.19	8.15	7.36
Other food & kindred products	239.09	225.83	229.93	40.8	39.9	42.5	5.86	5.66	5.41
Tobacco manufacturers	158.27	164.64	149.76	36.3	38.2	38.4	4.36	4.31	3.90
Textile mill products	186.13	185.71	178.87	37.3	37.9	38.8	4.99	4.90	4.61
Weaving mills, synthetics	200.90	209.75	207.44	40.1	41.7	44.9	5.01	5.03	4.62
Knitting mills	172.43	173.59	168.38	35.7	36.7	37.5	4.83	4.73	4.49
Knit outerwear mills	168.57	169.05	161.37	34.9	36.2	36.1	4.83	4.67	4.47
Knit underwear mills	153.18	158.24	158.62	34.5	35.8	38.5	4.44	4.42	4.12
Other knitting mills	193.29	193.03	191.12	37.9	38.3	39.9	5.10	5.04	4.79
Floor covering mills	244.41	224.64	234.47	40.6	38.4	42.4	6.02	5.85	5.53
Yarn & thread mills	181.54	178.32	159.56	37.9	37.7	37.9	4.79	4.73	4.21
Other textile mill products	196.35	197.96	184.12	38.5	39.2	38.6	5.10	5.05	4.77

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES

(concl.)

Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979
Apparel & other textile products	$147.23	$152.06	$140.91	31.8	32.7	33.0	$4.63	$4.65	$4.27
Mens & boys suits & coats	195.14	205.69	170.42	34.6	36.6	32.4	5.64	5.62	5.26
Mens & boys furnishings	150.04	154.16	145.60	34.1	34.8	35.0	4.40	4.43	4.16
Mens & boys shirts & nightwear	147.17	155.67	146.23	33.6	35.3	34.9	4.38	4.41	4.19
Mens & boys separate trousers	165.67	159.54	142.29	33.2	32.1	31.0	4.99	4.97	4.59
Other furnishings & wrk. clothng	142.10	149.04	147.43	35.0	36.0	37.9	4.06	4.14	3.89
Womens & misses outerwear	140.13	143.22	135.88	30.2	30.8	31.6	4.64	4.65	4.30
Women & childrens undergarments	127.20	133.20	133.56	31.8	33.3	36.0	4.00	4.00	3.71
Childrens outerwear	125.12	137.81	123.23	28.5	29.7	32.6	4.39	4.64	3.78
Other apparel & textile products	144.32	147.47	135.01	33.1	33.9	33.5	4.36	4.35	4.03
Paper & allied products	300.08	299.68	287.81	44.0	44.2	44.9	6.82	6.78	6.41
Paper mills exc. building paper	399.23	393.30	358.19	48.1	47.5	46.7	8.30	8.28	7.67
Paper board containers & boxes	275.71	278.39	261.04	39.9	40.7	41.7	6.91	6.84	6.26
Corrugated & solid fiber boxes	276.86	277.48	273.88	38.4	38.7	40.1	7.21	7.17	6.83
Other paperboard containers	273.90	278.85	248.11	41.5	42.9	43.3	6.60	6.50	5.73
Other paper & allied products	270.30	267.86	273.90	45.2	45.4	46.9	5.98	5.90	5.84
Printing & publishing	275.18	271.50	258.09	36.4	36.2	36.3	7.56	7.50	7.11
Newspapers	289.30	287.76	269.87	32.8	32.7	33.4	8.82	8.80	8.08
Books	215.63	220.17	202.92	35.7	35.8	35.6	6.04	6.15	5.70
Commercial printing	299.15	285.01	283.06	38.6	37.6	38.2	7.75	7.58	7.41
Lithographing	300.85	287.57	273.67	39.9	38.6	37.8	7.54	7.45	7.24
Other commercial printing	297.65	283.32	292.20	37.3	36.7	38.6	7.98	7.72	7.57
Manifold business forms	284.26	289.59	267.19	39.1	39.4	38.5	7.27	7.35	6.94
Other printing & publishing	260.26	260.85	243.88	36.4	37.0	36.4	7.15	7.05	6.70
Chemicals & allied products	311.17	308.67	293.09	41.6	41.6	42.6	7.48	7.42	6.88
Industrial inorganic chemicals	332.83	332.38	329.00	44.2	44.2	46.6	7.53	7.52	7.06
Plastic materials & synthetics	315.29	313.59	279.55	41.0	41.1	41.6	7.69	7.63	6.72
Drugs	298.75	288.42	286.13	38.9	38.0	40.3	7.68	7.59	7.10
Soap, cleaners & toliet goods	284.03	283.72	269.67	43.9	44.4	44.5	6.47	6.39	6.06
Paints & allied products	266.42	268.28	283.03	36.1	36.5	40.9	7.38	7.35	6.92
Other chemical & allied products	322.34	324.58	292.58	43.5	44.1	42.9	7.41	7.36	6.82
Petroleum & coal products	429.57	394.12	375.11	43.7	42.7	42.1	9.83	9.23	8.91
Petroleum refining	446.48	401.17	391.56	42.2	41.4	41.7	10.58	9.69	9.39
Other petroleum & coal products	377.59	368.63	311.61	48.1	47.2	43.4	7.85	7.81	7.18
Rubber & misc. plastic products	229.90	232.85	242.69	38.9	39.4	41.7	5.91	5.91	5.82
Tires & inner tubes	351.96	358.70	374.12	41.9	42.4	47.0	8.40	8.46	7.96
Fabricated rubber products	274.39	273.61	267.01	41.7	41.9	43.7	6.58	6.53	6.11
Other rubber & plastic prods.,nec	201.25	199.68	203.09	37.9	38.4	39.9	5.31	5.20	5.09
Leather & leather products	170.48	174.87	151.40	39.1	40.2	37.2	4.36	4.35	4.07
Footwear, exc. rubber	158.00	162.63	137.35	37.8	39.0	35.4	4.18	4.17	3.88
Mens footwear, exc. athletic	178.27	182.23	157.20	40.7	41.7	40.0	4.38	4.37	3.93
Womens footwear, exc. athletic	149.95	153.64	121.20	37.3	38.7	31.4	4.02	3.97	3.86
Other footwear	140.70	145.08	131.33	34.4	35.3	34.2	4.09	4.11	3.84
Other leather & leather products	213.69	217.07	197.40	43.7	44.3	43.1	4.89	4.90	4.58
SELECTED NONMANUFACTURING INDUSTRIES									
Anthracite Mining	367.88	360.45	337.62	46.1	45.8	44.6	7.98	7.87	7.57
Bituminous coal & lignite mining	374.72	363.35	352.90	34.6	33.8	34.7	10.83	10.75	10.17
Nonmetallic minerals, exc. fuels	331.01	330.71	322.43	43.1	43.4	45.8	7.68	7.62	7.04
Communication	344.44	336.96	320.80	39.5	39.0	39.9	8.72	8.64	8.04
Electric, gas, & sanitary services	397.83	396.48	374.00	44.7	44.8	44.0	8.90	8.85	8.50
Electric services	416.98	406.62	380.88	47.6	46.9	46.0	8.76	8.67	8.28
Gas production & distribution	341.51	347.54	325.20	41.8	42.8	41.8	8.17	8.12	7.78
General merchandise stores	129.85	127.14	121.75	26.5	26.0	26.7	4.90	4.89	4.56
Banking	180.32	180.35	163.06	INA	INA	INA	INA	INA	INA
Insurance carriers	217.27	217.66	201.72	INA	INA	INA	INA	INA	INA
Life insurance	203.14	200.94	188.95	INA	INA	INA	INA	INA	INA
Fire, marine & casualty ins.	214.79	217.28	203.19	INA	INA	INA	INA	INA	INA

TABLE 7. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS IN SELECTED MANUFACTURING GROUPS

Industry Detail

Year and Month	All Manufacturing			All Durable Goods			All Nondurable Goods			Primary Metals		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1973	$167.23	40.2	$4.16	$187.17	41.5	$4.51	$139.03	38.3	$3.63	$212.38	41.4	$5.13
1974	180.97	39.6	4.57	203.45	41.1	4.95	146.59	37.3	3.93	239.61	41.1	5.83
1975	193.22	38.8	4.98	217.60	40.0	5.44	159.22	37.2	4.28	253.37	39.1	6.48
1976	210.11	39.2	5.36	236.16	40.3	5.86	172.58	37.6	4.59	279.89	39.7	7.05
1977	231.08	39.5	5.85	260.48	40.7	6.40	188.62	37.8	4.99	308.07	39.7	7.76
1978	254.80	40.0	6.37	289.10	41.3	7.00	204.60	38.1	5.37	356.10	41.6	8.56
1979	278.10	39.9	6.97	316.83	41.2	7.69	219.06	37.9	5.78	397.16	41.5	9.57
1979 Mar.	274.44	40.3	6.81	313.50	41.8	7.50	215.65	38.1	5.66	387.74	42.1	9.21
Apr.	265.30	38.9	6.82	301.50	40.2	7.50	209.59	36.9	5.68	396.68	42.2	9.40
May	273.14	39.7	6.88	311.54	41.1	7.58	215.27	37.7	5.71	387.39	41.3	9.38
Jun.	278.29	40.1	6.94	316.30	41.4	7.64	218.12	38.0	5.74	397.00	42.1	9.43
Jul.	277.31	39.9	6.95	313.65	41.0	7.65	221.37	38.3	5.78	397.00	42.1	9.43
Aug.	279.49	39.7	7.04	317.79	40.9	7.77	221.92	38.0	5.84	399.75	41.0	9.75
Sep.	285.51	40.1	7.12	323.42	41.2	7.85	225.00	38.2	5.89	407.12	41.5	9.81
Oct.	284.57	39.8	7.15	323.05	41.1	7.86	224.37	37.9	5.92	397.39	40.8	9.74
Nov.	294.19	40.3	7.30	334.88	41.6	8.05	230.78	38.4	6.01	425.60	41.2	10.33
Dec.	291.34	39.8	7.32	329.65	40.9	8.06	231.87	38.2	6.07	408.35	39.8	10.26
1980 Jan.	285.38	39.2	7.28	322.81	40.2	8.03	227.10	37.6	6.04	386.32	37.8	10.22
Feb.	286.26	39.0	7.34	324.80	40.0	8.12	227.10	37.6	6.04	393.02	37.9	10.37
Mar.	286.03	38.6	7.41	324.72	39.6	8.20	225.57	37.1	6.08	391.79	37.6	10.42

Year and Month	Fabricated Metal Products			Machinery Except Electrical			Electric & Electronic Equip.			Transportation Equipment		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1973	$182.68	41.9	$4.36	$198.77	43.4	$4.58	$167.69	40.8	$4.11	$197.69	41.1	$4.81
1974	196.24	41.4	4.74	209.78	42.9	4.89	175.96	39.9	4.41	215.54	40.9	5.27
1975	208.17	40.5	5.14	222.14	41.6	5.34	191.84	39.8	4.82	234.61	39.9	5.88
1976	223.01	40.4	5.52	241.60	41.8	5.78	206.96	40.5	5.11	254.23	40.1	6.34
1977	246.64	40.7	6.06	262.92	42.0	6.26	225.74	40.6	5.56	289.26	41.8	6.92
1978	264.71	40.6	6.52	291.13	42.5	6.85	247.25	40.6	6.09	315.59	41.8	7.55
1979	285.93	40.5	7.06	311.33	42.3	7.36	266.64	40.4	6.60	348.60	42.0	8.30
1979 Mar.	287.04	41.3	6.95	310.17	42.9	7.23	264.68	41.1	6.44	341.88	42.0	8.14
Apr.	261.23	38.7	6.75	286.63	40.2	7.13	250.63	39.1	6.41	311.65	39.4	7.91
May	288.23	41.0	7.03	303.47	41.8	7.26	261.55	40.3	6.49	333.33	41.0	8.13
Jun.	288.36	40.5	7.12	309.33	42.2	7.33	264.31	40.6	6.51	334.15	41.0	8.15
Jul.	282.80	40.0	7.07	303.99	41.7	7.29	259.24	39.7	6.53	334.55	40.7	8.22
Aug.	283.60	40.0	7.09	312.28	42.2	7.40	257.90	39.8	6.48	341.04	40.6	8.40
Sep.	286.80	40.0	7.17	318.33	42.5	7.49	271.62	40.3	6.74	350.26	41.5	8.44
Oct.	292.66	40.2	7.28	321.73	42.5	7.57	273.91	40.4	6.78	355.28	41.7	8.52
Nov.	299.30	41.0	7.30	329.84	43.4	7.60	283.73	41.3	6.87	349.76	41.1	8.51
Dec.	304.79	41.3	7.38	327.76	42.9	7.64	280.95	40.6	6.92	349.61	40.7	8.59
1980 Jan.	296.38	40.6	7.30	329.80	42.5	7.76	281.48	40.5	6.95	353.87	41.1	8.61
Feb.	298.56	40.4	7.39	329.33	41.9	7.86	285.31	40.7	7.01	349.74	40.2	8.70
Mar.	299.25	39.9	7.50	329.43	41.7	7.90	282.49	39.9	7.08	348.88	39.6	8.81

Year and Month	Food Products			Textile Products			Apparel and Related Products			Printing and Publishing		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1973	$158.36	40.5	$3.91	$120.43	39.1	$3.08	$ 99.71	33.8	$2.95	$180.81	38.8	$4.66
1974	171.68	40.3	4.26	124.74	37.8	3.30	103.02	32.6	3.16	189.52	38.0	4.99
1975	187.80	40.3	4.66	132.42	37.3	3.55	109.20	32.5	3.36	204.58	37.4	5.47
1976	204.22	40.2	5.08	142.12	38.0	3.74	119.55	33.3	3.59	218.82	36.9	5.93
1977	219.89	40.2	5.47	154.37	38.4	4.02	125.95	32.8	3.84	238.52	37.8	6.31
1978	239.95	40.6	5.91	166.12	38.1	4.36	138.28	33.4	4.14	245.95	36.6	6.72
1979	251.20	40.0	6.28	178.26	38.5	4.63	143.44	32.6	4.40	263.87	36.7	7.19
1979 Mar.	247.02	40.1	6.16	178.87	38.8	4.61	140.91	33.0	4.27	258.09	36.3	7.11
Apr.	242.09	39.3	6.16	173.58	37.9	4.58	137.03	31.5	4.35	245.70	35.1	7.00
May	248.00	40.0	6.20	180.11	38.9	4.63	139.54	32.3	4.32	254.54	35.8	7.11
Jun.	248.58	39.9	6.23	182.82	39.4	4.64	143.77	32.9	4.37	256.68	36.0	7.13
Jul.	253.49	40.3	6.29	178.31	38.1	4.68	145.25	33.7	4.31	265.27	37.1	7.15
Aug.	256.07	40.2	6.37	180.01	38.3	4.70	142.79	32.6	4.38	266.35	37.2	7.16
Sep.	256.14	40.4	6.34	181.93	38.3	4.75	146.17	32.7	4.47	268.93	37.3	7.21
Oct.	248.77	39.3	6.33	185.85	38.8	4.79	148.98	32.6	4.57	265.70	36.8	7.22
Nov.	261.06	40.6	6.43	188.37	39.0	4.83	149.77	32.7	4.58	276.77	37.3	7.42
Dec.	266.18	40.7	6.54	186.73	38.5	4.85	147.23	31.8	4.63	291.39	38.8	7.51
1980 Jan.	259.24	39.7	6.53	191.12	38.5	4.99	149.12	32.0	4.66	274.91	37.0	7.43
Feb.	260.95	39.3	6.64	185.71	37.9	4.90	152.06	32.7	4.65	271.50	36.2	7.50
Mar.	259.90	39.2	6.63	186.13	37.3	4.99	147.23	31.8	4.63	275.18	36.4	7.56

TABLES 8 & 9. ACTUAL AND REAL GROSS EARNINGS OF MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA

(1967 = 100)

Annual Averages

Year	Weekly Earnings (1)	Weekly Hours (2)	Hourly Earnings (3)	Hourly Earnings Index (4)	U.S. Consumer Price Index (5)	Real Weekly Earnings (6)	Losses Due To Inflation
1969	$127.52	40.1	$3.18	112.7	109.8	$116.14	$ 11.38
1970	131.71	39.2	3.36	119.1	116.3	113.25	18.46
1971	140.73	39.2	3.59	127.3	121.3	116.02	24.71
1972	154.42	39.8	3.88	137.6	125.3	123.24	31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33
1979	278.10	39.9	6.97	247.2	230.0	120.91	157.19

Real Earnings are computed by adjusting current earnings for changes in The Consumer Price Index (Col 1 - Col. 5)

TABLE 10. EMPLOYMENT, PAYROLLS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS

(Thousands)

Industry	Employment			Weekly Manhours Worked			Weekly Payrolls		
	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979
MANUFACTURING	988.8	989.6	993.3	38,170.0	38,637.6	40,028.2	282,736.5	283,545.3	272,751.9
DURABLE GOODS	604.4	602.9	601.8	23,906.5	24,120.4	25,124.3	195,982.8	195,912.3	188,331.2
NONDUR. GOODS	384.4	386.6	391.5	14,263.5	14,517.2	14,903.9	86,753.7	87,632.9	84,420.7

NOTATION

Resident Data are an estimate of WORKERS by place of residence and include wage and salary workers, self-employed and unpaid family workers, domestic workers, agricultural workers and persons involved in labor-management disputes. These data are derived from the National Current Population Survey (CPS) and do not reflect commuting or dual job holding. Consequently, they are not comparable to establishment based Nonagricultural Wage and Salary data.

Establishment Data are estimates of JOBS by place of work.

Labor-management disputes

Persons involved in labor-management disputes are included in RESIDENT employment counts. They are not included in ESTABLISHMENT data nor are they counted as labor turnover actions. Wherever indicated (#), however, they are added to the Nonagricultural Wage and Salary total to show more accurately the number of jobs held. An asterisk (*) denotes a total significantly affected by a labor-management dispute.

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

Industry Group

(Thousands)

Year and Month	Total Manufacturing	Total Durable Goods	Lumber and Wood Products	Furniture and Fixtures	Stone Clay and Glass	Primary Metals	Fabricated Metals	Machinery Except Electrical
1973	1,480.1	884.7	24.6	23.8	68.3	220.8	126.1	137.2
1974	1,464.5	894.1	22.5	22.6	68.1	226.5	126.6	144.5
1975	1,334.8	813.0	18.7	18.0	60.5	205.5	114.1	141.3
1976	1,335.2	804.5	20.4	18.2	61.4	201.9	111.4	136.4
1977	1,341.5	809.3	21.2	18.9	62.3	199.6	111.3	134.6
1978	1,369.2	828.0	21.9	20.2	63.8	199.2	112.5	137.8
1979	1,389.8	853.9	22.5	20.4	65.0	203.2	116.0	142.5
1979 Mar.	1,381.9	845.8	22.2	20.2	64.2	201.6	115.5	140.9
Apr.	1,389.5	852.0	22.8	20.3	64.3	201.6	116.0	143.6
May	1,392.2	855.2	22.9	20.2	65.0	202.5	115.9	143.4
Jun.	1,409.8	866.4	23.2	20.3	67.1	207.1	116.6	144.6
Jul.	1,397.1	861.9	22.9	19.7	67.0	206.8	114.7	142.9
Aug.	1,340.4	852.0	23.1	20.5	66.4	207.1	116.1	141.1
Sep.	1,398.0	861.5	23.0	20.8	65.6	204.7	116.0	143.2
Oct.	1,394.6	860.0	22.8	20.9	65.0	202.5	116.3	144.0
Nov.	1,390.2	857.2	22.2	20.8	64.5	201.9	116.2	142.5
Dec.	1,383.7	853.0	21.7	20.3	64.6	200.7	116.6	143.4
1980 Jan.	1,374.3	846.9	22.3	20.3	62.7	198.7	115.9	146.7
Feb.	1,372.0	845.8	22.7	20.0	62.0	197.3	115.8	146.7
Mar.	1,371.1	846.4	22.7	20.0	62.5	196.7	116.5	146.4

Year and Month	Electric and Electronic Equipment	Transportation Equipment	Instruments and Related Products	Misc. Manufacturing	Total Nondurable Goods	Food Products	Tobacco Products	Textile Products
1973	144.0	73.3	34.8	31.9	595.4	107.3	7.1	62.8
1974	144.7	72.6	36.1	30.0	570.4	104.0	6.6	58.5
1975	126.0	67.6	34.4	27.0	521.8	99.4	5.0	49.9
1976	124.2	67.1	35.5	28.1	530.7	100.2	4.0	50.4
1977	123.0	73.3	37.3	27.8	532.2	98.8	3.6	49.4
1978	123.9	81.8	40.3	26.6	541.2	99.7	4.0	50.6
1979	127.1	87.8	42.9	26.6	536.0	100.1	3.6	48.4
1979 Mar.	125.9	86.5	42.6	26.2	536.1	98.4	3.8	48.9
Apr.	127.0	86.9	43.0	26.5	537.5	98.7	3.7	48.9
May	128.8	87.1	43.1	26.3	537.0	98.0	3.7	48.6
Jun.	128.3	88.4	43.7	27.1	543.4	99.6	3.7	49.1
Jul.	129.1	88.5	43.4	26.9	535.2	99.9	3.6	47.6
Aug.	119.4	87.5	43.4	27.4	538.4	101.7	3.5	48.4
Sep.	128.9	89.4	42.8	27.1	536.5	102.2	3.4	48.2
Oct.	128.4	90.1	42.7	27.3	534.6	102.2	3.3	48.0
Nov.	129.2	90.4	42.8	26.7	533.0	101.4	3.3	48.1
Dec.	128.9	88.1	42.8	25.9	530.7	102.1	3.2	47.5
1980 Jan.	129.2	83.3	43.1	24.7	527.4	99.3	3.3	46.7
Feb.	127.1	86.5	43.0	24.7	526.2	97.7	3.2	47.1
Mar.	126.7	86.9	43.3	24.7	524.7	97.1	3.2	47.3

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA (concl.)

Industry Group

(Thousands)

Year and Month	Apparel and Related		Paper Products	Printing and Publishing	Chemical Products	Petroleum Refining & Related	Rubber and Plastic	Leather Products
	Total	Women's & Children's Outerwear						
1973	158.0	65.5	45.4	72.2	58.8	19.1	41.0	23.7
1974	148.2	63.0	44.4	69.8	58.6	18.2	40.9	21.3
1975	132.7	58.1	39.9	68.4	55.5	16.4	34.8	19.8
1976	137.2	60.2	42.4	67.6	56.7	16.4	34.9	21.0
1977	134.0	60.0	43.0	69.8	59.0	16.8	38.0	19.9
1978	135.2	61.0	44.4	71.1	59.9	17.3	39.9	19.2
1979	128.8	58.9	44.8	72.1	61.0	17.4	42.0	17.8
1979 Mar.	132.3	61.5	44.6	71.8	60.4	16.5	41.6	17.8
Apr.	132.5	61.6	44.8	71.7	60.6	17.2	41.6	17.8
May	131.5	60.5	44.5	72.0	60.9	17.6	42.2	18.0
Jun.	132.3	61.0	45.0	72.3	61.9	18.2	42.9	18.4
Jul.	127.1	57.9	45.1	72.2	62.0	18.1	42.6	17.0
Aug.	126.6	56.6	46.1	71.8	61.9	18.2	42.4	17.8
Sep.	126.5	57.0	45.4	71.7	61.2	17.9	42.4	17.6
Oct.	125.6	56.9	44.6	72.0	61.2	17.7	42.5	17.5
Nov.	124.6	56.5	44.2	72.8	61.1	17.8	42.3	17.4
Dec.	122.5	54.3	43.8	73.5	61.5	17.1	42.0	17.5
1980 Jan.	123.7	55.9	43.7	73.3	61.0	16.8	41.9	17.7
Feb.	126.0	57.6	43.5	73.4	61.1	15.7	41.1	17.4
Mar.	126.4	57.7	43.6	74.0	61.7	14.4	39.7	17.3

TABLE 12. SELECTED PENNSYLVANIA INDICES

(Not Adjusted)

1967 = 100

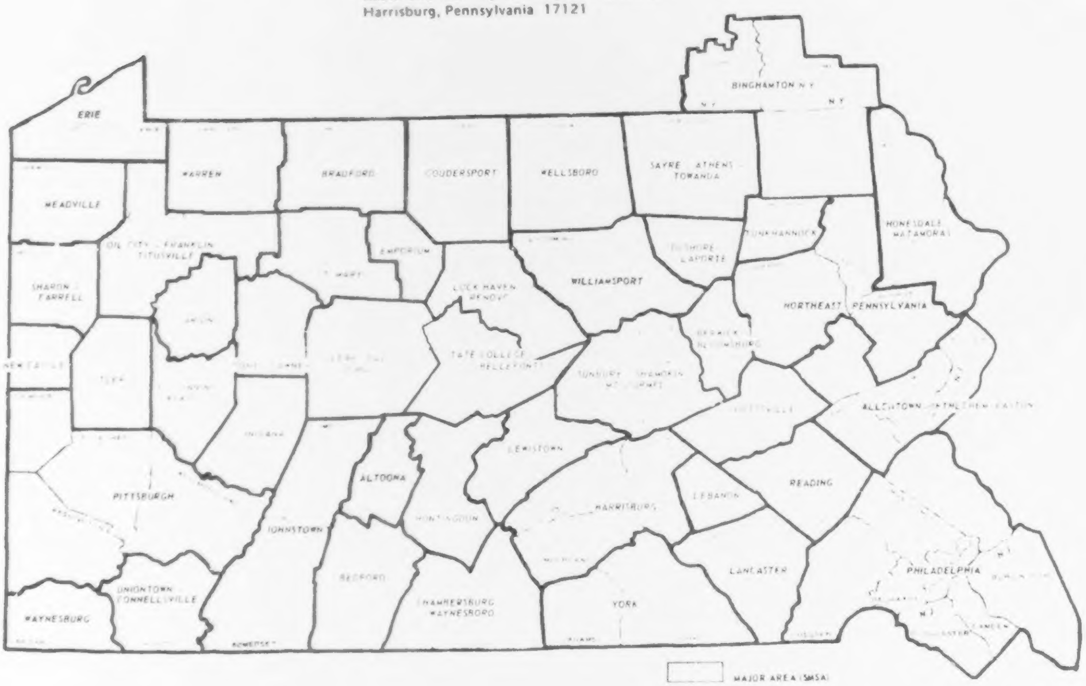
	1980		1979	1978	ANNUAL AVERAGE	
Industry Group	Mar.	Feb.	Mar.	Mar.	1979	1978
EMPLOYMENT						
All Manufacturing	88.1	88.1	88.8	86.4	89.3	87.9
Primary Metals	76.7	77.0	78.7	75.5	79.3	77.7
Apparel	70.4	70.2	73.7	74.9	71.7	75.3
All Nonmanufacturing	130.1	129.5	129.0	123.7	131.8	128.5
Construction	99.7	98.7	97.6	88.2	113.4	109.6
Retail Trade	125.7	125.2	128.0	126.1	130.9	131.0
Services	159.6	158.6	152.1	143.5	157.1	148.1
Government	127.4	126.6	129.3	129.1	127.4	127.8

Labor Market Areas of Pennsylvania

Pennsylvania consists of forty five labor market areas, twelve of which are major or Standard Metropolitan Statistical Areas. Area names are based on major towns or cities in the areas.

This section provides a very limited presentation of data for selected labor market areas in Pennsylvania. More detailed information is available in Labor Market Letters published monthly in major labor market areas and for selected months in smaller labor market areas. These publications can be obtained from local employment security offices or by addressing requests to

Office of Employment Security
Research and Statistics Division
Labor Market Information Section
Labor and Industry Building - Room 1225
Harrisburg, Pennsylvania 17121


BINGHAMTON N.Y.
N.Y.
N.Y.
ERIE
WARREN
BRADFORD
COUDERSPORT
WELLSBORO
SAYRE - ATHENS - TOWANDA
MEADVILLE
OIL CITY - FRANKLIN - TITUSVILLE
EMPORIUM
ST. MARYS
LOCK HAVEN - RENOVO
WILLIAMSPORT
DUSHORE - LAPORTE
TUNKHANNOCK
HONESDALE - MATAMORAS
SHARON - FARRELL
NORTHEAST PENNSYLVANIA
BERWICK - BLOOMSBURG
NEW CASTLE
STATE COLLEGE - BELLEFONTE
SUNBURY - SHAMOKIN - MT. CARMEL
ALLENTOWN - BETHLEHEM - EASTON
INDIANA
LEWISTOWN
ALTOONA
PITTSBURGH
READING
LEBANON
HARRISBURG
JOHNSTOWN
HUNTINGDON
UNIONTOWN - CONNELLSVILLE
BEDFORD
CHAMBERSBURG - WAYNESBORO
YORK
LANCASTER
PHILADELPHIA
N.J.
N.J.
WAYNESBURG
SOMERSET
MAJOR AREA (SMSA)

GEOGRAPHIC DESCRIPTION OF MAJOR LABOR MARKET AREAS

ALLENTOWN - BETHLEHEM - EASTON	Carbon, Lehigh, and Northampton Counties in Pennsylvania: Warren County in New Jersey
ALTOONA	Blair County
ERIE	Erie County
HARRISBURG	Cumberland, Dauphin, and Perry Counties
JOHNSTOWN	Cambria and Somerset Counties
LANCASTER	Lancaster County
NORTHEAST	Lackawanna (Scranton Area), Luzerne (Wilkes-Barre Area), and Monroe Counties
PHILADELPHIA	Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties in Pennsylvania: Burlington, Camden, and Gloucester Counties in New Jersey
PITTSBURGH	Allegheny, Beaver, Washington, and Westmoreland Counties
READING	Berks County
WILLIAMSPORT	Lycoming County
YORK	Adams and York Counties

TABLE 13. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRIES MAJOR LABOR MARKET AREAS

(Per 100 Employees)
FEBRUARY 1980

Major Labor Market Area	Employment (Thousands)	Accession Rates								
		Total			New Hires			Recalls		
		Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979
PENNSYLVANIA	1,372.0	2.8	3.2	2.6	1.4	1.5	1.6	1.2	1.4	0.9
ALLENTOWN-BETHLEHEM-EASTON	111.1	3.1	3.0	2.3	1.5	1.5	1.4	1.4	1.3	0.7
ALTOONA	13.5	1.5	3.1	1.1	0.8	2.0	0.5	0.6	1.0	0.5
ERIE	43.1	1.8	2.2	2.0	1.2	1.0	1.2	0.4	0.8	0.6
HARRISBURG	43.2	2.5	2.6	2.6	1.6	1.8	2.0	0.6	0.5	0.4
JOHNSTOWN	20.0	2.5	2.3	2.6	0.4	0.6	0.9	2.0	1.7	1.7
LANCASTER	59.8	2.5	2.6	2.6	1.6	1.8	2.0	0.6	0.5	0.4
NORTHEAST	74.5	3.8	5.5	3.8	1.8	2.0	2.1	1.8	3.2	1.4
SCRANTON	28.7	3.4	4.7	3.7	1.7	1.8	2.3	1.6	2.8	1.3
WILKES-BARRE-HAZLETON	40.4	3.9	5.7	3.5	1.8	1.6	1.8	1.8	3.7	1.2
PHILADELPHIA	449.5	2.7	3.2	2.6	1.6	1.8	1.7	0.9	1.2	0.7
PITTSBURGH	249.3	2.6	2.7	2.3	0.7	0.7	1.3	1.7	1.6	0.8
READING	54.2	2.2	2.5	2.7	1.5	1.5	1.9	0.6	0.8	0.7
WILLIAMSPORT	16.7	1.5	1.9	2.4	0.6	0.7	1.6	0.7	1.0	0.7
YORK	66.7	3.4	3.1	3.2	2.4	2.3	2.3	0.8	0.7	0.7

Major Labor Market Area	Employment (Thousands)	Separation Rates								
		Total			Quits			Layoffs		
		Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979	Feb. 1980	Jan. 1980	Feb. 1979
PENNSYLVANIA	1,372.0	2.9	3.3	2.5	0.9	0.9	0.9	1.3	1.7	0.9
ALLENTOWN-BETHLEHEM-EASTON	111.1	2.1	2.4	2.1	0.9	0.8	0.9	0.7	0.9	0.5
ALTOONA	13.5	4.3	1.9	2.1	0.5	1.0	0.6	3.5	0.5	1.3
ERIE	43.1	2.7	2.4	2.8	0.8	0.7	1.0	1.2	0.8	0.6
HARRISBURG	43.2	2.7	2.6	2.4	1.3	1.3	1.3	0.6	0.6	0.4
JOHNSTOWN	20.0	2.2	4.4	2.6	0.4	0.5	1.0	1.1	3.0	1.1
LANCASTER	59.8	2.7	2.6	2.4	1.3	1.3	1.3	0.6	0.6	0.4
NORTHEAST	74.5	3.0	4.1	3.4	1.0	1.2	1.1	1.4	2.4	1.7
SCRANTON	28.7	2.5	4.7	3.5	0.9	1.2	1.3	1.2	3.1	1.6
WILKES-BARRE-HAZLETON	40.4	3.4	3.4	3.1	1.0	0.9	0.9	1.8	1.9	1.5
PHILADELPHIA	449.5	2.9	3.3	2.2	0.9	1.0	0.9	1.1	1.4	0.7
PITTSBURGH	249.3	2.5	2.9	2.0	0.4	0.4	0.4	1.3	1.7	0.7
READING	54.2	3.9	3.3	2.9	1.4	1.1	1.2	1.8	1.5	1.0
WILLIAMSPORT	16.7	1.5	1.8	2.4	0.5	0.5	0.7	0.5	1.0	1.2
YORK	66.7	3.4	4.1	2.9	1.6	1.6	1.7	1.2	2.1	0.6

TABLE 14. AVERAGE GROSS EARNINGS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS IN MAJOR LABOR MARKET AREAS

Major Labor Market Area	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979
PENNSYLVANIA	$286.03	$286.26	$274.44	38.6	39.0	40.3	$7.41	$7.34	$6.81
ALLENTOWN-BETHLEHEM-EASTON	289.93	290.70	260.44	37.8	38.3	37.8	7.67	7.59	6.89
ALTOONA	251.36	249.48	234.04	38.2	38.8	39.6	6.58	6.43	5.91
ERIE	308.43	304.79	285.86	41.4	41.3	42.1	7.45	7.38	6.79
HARRISBURG	281.18	286.47	260.77	40.4	41.1	40.8	6.96	6.97	6.39
JOHNSTOWN	315.15	316.57	281.58	38.2	38.7	39.0	8.25	8.18	7.22
LANCASTER	258.24	259.43	243.17	40.1	40.6	40.8	6.44	6.39	5.96
NORTHEAST	202.27	208.29	193.59	35.8	36.8	37.3	5.65	5.66	5.19
SCRANTON	194.66	198.55	194.18	35.2	36.1	38.3	5.53	5.50	5.07
WILKES-BARRE-HAZLETON	206.49	212.95	191.99	36.1	37.1	36.5	5.72	5.74	5.26
PHILADELPHIA	293.83	291.40	278.36	39.6	39.7	40.4	7.42	7.34	6.89
PITTSBURGH	359.00	358.00	243.21	39.8	40.0	41.5	9.02	8.95	8.27
READING	275.32	273.53	243.75	39.5	39.7	39.0	6.97	6.89	6.25
WILLIAMSPORT	264.65	273.34	248.27	38.3	39.5	40.5	6.91	6.92	6.13
YORK	263.08	260.40	251.40	39.8	40.0	41.9	6.61	6.51	6.00

TABLE 15. RESIDENT EMPLOYMENT AND UNEMPLOYMENT
MAJOR LABOR MARKET AREAS

Area	Rate of Unemployment					
	Mar. 1980		Feb. 1980		Mar. 1979	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
UNITED STATES	6.6	6.2	6.8	6.0	6.1	5.7
PENNSYLVANIA	7.8	6.8	7.8	6.8	7.8	6.9
ALLENTOWN-BETH-EASTON	INA	INA	INA	INA	7.2	6.3
ALTOONA	10.0	8.6	10.1	8.6	10.5	9.1
ERIE	8.9	7.8	9.0	8.0	8.4	7.3
HARRISBURG	5.7	4.9	5.9	5.3	5.7	4.9
JOHNSTOWN	12.1	10.3	11.2	9.6	10.1	8.6
LANCASTER	5.0	4.3	5.4	4.7	5.0	4.3
NORTHEAST	9.9	8.7	10.2	9.2	9.7	8.5
SCRANTON	8.9	7.9	9.2	8.5	9.2	8.1
W BARRE-HAZLETON	10.4	9.3	10.8	9.7	9.7	8.6
PHILADELPHIA	INA	INA	INA	INA	7.7	7.2
PITTSBURGH	7.0	6.0	7.1	6.2	6.6	5.7
POTTSVILLE	10.3	-	10.5	-	10.3	-
READING	8.0	7.1	7.7	6.9	6.0	5.3
UNIONTOWN-CONNELLSVLE	11.5	-	11.7	-	10.6	-
WILLIAMSPORT	12.6	10.3	12.2	10.4	10.8	8.7
YORK	6.4	5.8	6.9	5.9	5.3	4.7

(Thousands)

Area	Total Civilian Labor Force			Total Employment			Total Unemployment		
	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979
UNITED STATES	103,351.0	103,257.0	101,665.0	96,546.0	96,264.0	95,501.0	6,805.0	6,993.0	6,165.0
PENNSYLVANIA	5,357.0	5,363.0	5,271.0	4,941.0	4,944.0	4,860.0	415.0	419.0	411.0
ALLENTOWN-BETH-EASTON	INA	INA	297.2	INA	INA	275.9	INA	INA	21.3
ALTOONA	60.4	60.4	57.2	54.4	54.3	51.2	6.0	6.1	6.0
ERIE	127.2	127.3	124.9	115.9	115.8	114.4	11.3	11.5	10.5
HARRISBURG	218.2	217.7	215.7	205.8	204.8	203.5	12.4	12.9	12.2
JOHNSTOWN	111.7	111.9	108.6	98.2	99.4	97.6	13.5	12.5	11.0
LANCASTER	177.0	178.2	174.0	168.1	168.5	165.3	8.8	9.7	8.7
NORTHEAST	288.3	288.6	283.1	259.7	259.2	255.7	28.5	29.3	27.4
SCRANTON	105.3	105.4	103.9	95.8	95.6	94.3	9.4	9.7	9.5
W BARRE-HAZLETON	155.7	155.9	152.1	139.4	139.1	137.3	16.2	16.8	14.8
PHILADELPHIA	INA	INA	2,111.0	INA	INA	1,948.1	INA	INA	162.9
PITTSBURGH	1,011.7	1,016.7	1,002.7	941.2	944.2	936.3	70.4	72.5	66.4
POTTSVILLE	67.0	67.1	68.1	60.1	60.0	61.1	6.9	7.1	7.0
READING	155.3	156.5	149.0	142.9	144.4	140.0	12.5	12.0	8.9
UNIONTOWN-CONNELLSVLE	58.5	58.7	59.2	51.8	51.8	53.0	6.7	6.9	6.3
WILLIAMSPORT	53.7	53.3	53.0	47.0	46.8	47.3	6.8	6.5	5.7
YORK	174.2	174.3	170.4	163.0	162.3	161.4	11.2	12.0	9.0

TABLE 16. EMPLOYMENT IN MAJOR LABOR MARKET AREAS
ESTABLISHMENT DATA (Number of Jobs)
(Thousands)

STATE and AREA data include persons involved in labor management disputes; not included in U.S. data.

Area	Nonagricultural Wage and Salary			Private Sector *		
	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979
UNITED STATES	89,774.0	89,346.0	88,207.0	73,727.0	73,377.0	72,410.0
PENNSYLVANIA	4,774.1	4,760.1	4,756.1	4,045.6	4,036.2	4,016.4
ALLENTOWN-BETHLEHEM-EASTON	262.8	262.5	261.0	233.4	233.3	231.0
ALTOONA	53.5	53.2	51.1	45.8	45.6	43.8
ERIE	115.6	115.1	115.9	101.9	101.3	101.3
HARRISBURG	214.9	213.0	215.8	159.5	159.1	158.8
JOHNSTOWN	88.5	89.3	89.3	73.9	73.7	74.3
LANCASTER	151.6	151.5	151.4	136.7	136.5	136.2
NORTHEAST	243.0	241.4	242.7	202.4	201.3	203.0
SCRANTON	86.8	86.4	86.3	74.7	74.4	74.3
WILKES-BARRE-HAZLETON	126.7	126.1	127.7	106.2	105.8	108.2
PHILADELPHIA	1,923.6	1,911.0	1,904.3	1,614.1	1,605.7	1,602.3
PITTSBURGH	940.8	939.7	949.5	811.0	810.3	824.3
POTTSVILLE	47.9	47.7	49.3	39.2	39.0	40.8
READING	138.5	139.4	137.6	121.1	122.1	120.3
UNIONTOWN-CONNELLSVILLE	35.3	35.2	36.5	28.1	28.0	29.5
WILLIAMSPORT	46.9	46.5	48.0	40.5	40.2	41.4
YORK	155.9	154.8	156.7	136.9	136.1	135.7

Area	Manufacturing			Nonmanufacturing		
	Mar. 1980	Feb. 1980	Mar. 1979	Mar. 1980	Feb. 1980	Mar. 1979
UNITED STATES	20,667.0	20,645.0	20,887.0	69,107.0	68,701.0	67,320.0
PENNSYLVANIA	1,371.1	1,372.0	1,381.9	3,397.1	3,382.2	3,367.7
ALLENTOWN-BETHLEHEM-EASTON	111.1	111.1	109.6	151.7	151.4	151.2
ALTOONA	13.4	13.5	12.7	40.1	39.7	38.4
ERIE	42.9	43.1	44.4	72.7	72.0	71.5
HARRISBURG	43.5	43.2	42.3	171.3	169.7	173.2
JOHNSTOWN	19.8	20.0	20.1	68.7	68.8	68.9
LANCASTER	59.7	59.8	60.0	91.9	91.6	91.4
NORTHEAST	74.8	74.5	74.6	167.8	166.5	168.1
SCRANTON	28.7	28.7	28.5	57.7	57.3	57.8
WILKES-BARRE-HAZLETON	40.8	40.4	41.5	85.9	85.7	86.2
PHILADELPHIA	447.4	449.5	454.3	1,471.0	1,458.9	1,448.1
PITTSBURGH	249.0	249.3	255.3	690.9	689.1	693.7
POTTSVILLE	20.1	20.1	21.2	27.8	27.6	27.9
READING	53.4	54.2	54.6	85.1	85.1	82.5
UNIONTOWN-CONNELLSVILLE	7.5	7.5	8.3	27.8	27.7	28.2
WILLIAMSPORT	16.8	16.7	18.3	30.1	29.8	29.7
YORK	66.7	66.7	64.8	89.2	88.1	90.0

* Excludes Government employment

TABLE 17. LABOR TURNOVER RATES IN PENNSYLVANIA
NONDURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	Nondurable Goods						Food & Kindred					
	Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	4.2	2.7		4.9	2.1	2.1	5.2	3.3		5.8	2.6	2.5
1975	4.1	1.8		4.4	1.3	2.5	4.6	2.3		4.9	1.5	2.7
1976	3.9	2.2	1.4	4.1	1.4	2.0	4.6	2.3	2.0	4.9	1.4	2.8
1977	3.9	2.3	1.4	3.9	1.5	1.8	4.9	2.4	2.2	5.0	1.6	2.8
1978	3.6	2.4	1.0	3.6	1.7	1.3	4.1	2.5	1.4	4.3	1.8	1.9
1979	3.8	2.4	1.2	3.8	1.7	1.5	4.3	4.1	1.4	4.4	1.9	1.8
Feb.	3.1	1.9	1.1	2.9	1.3	1.0	3.1	1.5	1.4	3.5	1.5	1.5
Mar.	3.8	2.3	1.3	3.7	1.6	1.3	3.5	2.0	1.4	3.5	1.5	1.4
Apr.	3.6	2.1	1.1	3.5	1.5	1.3	4.3	2.5	1.6	4.1	1.6	2.0
May	4.1	2.7	1.1	3.7	1.7	1.4	5.0	3.4	1.3	4.7	1.9	2.1
Jun.	4.3	3.0	1.0	3.6	1.7	1.3	5.1	3.6	1.2	4.4	2.0	1.7
Jul.	4.0	2.2	1.6	4.3	1.6	2.1	5.8	3.0	2.6	4.3	1.9	1.8
Aug.	4.2	2.7	1.2	5.0	2.9	1.4	5.4	3.5	1.4	4.6	3.1	0.8
Sep.	4.0	2.7	1.0	4.4	2.3	1.5	5.0	3.4	1.4	5.0	2.5	1.8
Oct.	3.7	2.5	1.0	3.8	1.7	1.5	4.2	2.9	1.1	4.8	2.0	1.9
Nov.	3.0	1.9	1.0	3.6	1.3	1.7	3.5	2.2	1.1	4.2	1.7	1.7
Dec.	2.4	1.2	1.0	3.3	0.9	1.9	3.1	1.6	1.3	3.8	1.2	1.9
1980												
Jan.	3.8	2.0	1.6	3.7	1.3	1.7	2.6	1.4	1.1	4.4	1.4	2.4
Feb.	3.3	1.9	1.2	3.1	1.3	1.1	2.9	1.4	1.3	3.4	1.1	1.6

Year & Month	Textiles						Apparel					
	Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	4.5	3.6		5.5	3.1	1.7	5.2	2.5		6.6	2.1	3.8
1975	4.5	2.3		5.1	1.6	2.8	5.6	2.3		5.6	1.5	3.5
1976	4.5	3.0	1.2	4.8	2.2	1.9	4.8	2.5	2.0	5.5	1.7	2.9
1977	4.3	3.0	1.1	4.6	2.2	1.8	5.1	2.6	2.2	5.1	1.8	2.6
1978	4.5	3.5	0.8	4.2	2.6	0.9	4.3	2.7	1.3	4.6	2.0	1.8
1979	3.9	2.8	0.9	4.4	2.5	1.2	5.0	2.5	2.2	5.3	1.9	2.6
Feb.	3.0	2.1	0.8	3.4	2.2	0.6	4.9	2.7	1.9	3.9	1.6	1.8
Mar.	3.6	2.5	0.9	3.9	2.3	0.9	4.8	2.8	1.8	5.4	2.0	2.4
Apr.	3.6	2.6	0.8	4.1	2.4	1.1	4.3	2.2	1.7	4.5	1.8	1.8
May	4.1	3.3	0.6	4.0	2.6	0.9	4.9	2.5	2.0	5.2	1.9	2.6
Jun.	4.3	3.6	0.5	4.0	2.5	0.8	4.7	2.5	1.8	5.1	2.0	2.2
Jul.	4.8	2.6	2.0	6.5	2.3	3.4	4.8	2.1	2.4	6.7	1.9	3.9
Aug.	4.4	3.4	0.9	6.2	3.7	0.4	5.3	2.6	2.4	6.5	2.8	2.7
Sep.	3.9	[illegible]	0.7	4.9	3.1	1.3	5.3	2.8	2.0	5.5	2.3	2.5
Oct.	4.4	3.1	1.1	4.1	2.3	1.2	5.1	2.7	2.2	5.1	1.9	2.6
Nov.	2.9	1.9	[illegible]	3.8	1.9	1.4	3.6	1.7	1.7	5.5	1.4	3.6
Dec.	1.9	1.3	0.4	3.3	1.2	1.5	3.1	1.0	1.8	5.3	0.9	3.8
1980												
Jan.	3.9	2.8	1.0	3.9	1.9	1.3	6.8	2.9	3.6	4.7	1.7	2.3
Feb.	4.3	2.9	1.3	3.7	2.3	0.8	5.4	2.7	2.4	3.8	1.7	1.4

Year & Month	Paper & Allied Products						Printing & Publishing					
	Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	2.7	2.0		3.5	1.6	1.3	2.4	1.9		2.6	1.4	0.7
1975	3.4	1.0		3.7	0.7	2.5	2.0	1.1		2.5	0.8	1.3
1976	2.5	1.5	0.9	2.4	0.8	1.1	2.3	1.5	0.6	2.3	0.9	0.9
1977	2.6	1.5	0.9	2.7	0.9	1.3	2.2	1.5	0.6	2.1	1.0	0.7
1978	2.7	1.7	0.8	2.6	1.1	0.9	2.5	1.8	0.6	2.4	1.2	0.8
1979	3.0	2.0	0.9	3.0	1.3	1.0	2.7	2.0	0.6	2.4	1.3	0.7
Feb.	2.0	1.1	0.8	1.9	0.8	0.6	2.4	1.6	0.7	1.9	1.1	0.5
Mar.	2.4	1.4	0.8	1.9	1.0	0.4	2.7	1.7	1.0	2.0	1.1	0.6
Apr.	2.6	1.6	0.8	2.5	1.1	0.8	2.4	1.8	0.5	2.3	1.2	0.8
May	3.8	2.6	0.9	2.5	1.2	0.8	2.7	2.2	0.5	2.4	1.3	0.7
Jun.	4.1	3.2	0.7	2.0	1.1	0.5	3.3	2.6	0.6	2.4	1.3	0.8
Jul.	4.3	2.6	1.6	3.6	1.2	1.7	2.4	1.7	0.6	2.1	1.2	0.6
Aug.	3.6	2.6	0.9	4.5	2.7	0.8	2.5	1.9	0.1	3.2	2.2	0.4
Sep.	3.2	2.8	0.2	4.4	2.7	1.0	2.8	2.3	0.4	2.7	1.8	0.6
Oct.	2.8	2.2	0.5	2.9	1.2	1.0	3.0	2.5	0.4	2.2	1.3	0.5
Nov.	2.4	1.6	0.7	2.8	1.1	1.0	2.4	1.8	0.5	2.2	1.1	0.8
Dec.	1.6	0.9	0.6	2.6	0.7	1.5	2.5	1.5	0.9	1.7	0.8	0.5
1980												
Jan.	2.4	1.1	1.1	2.8	0.8	1.3	2.7	1.9	0.8	2.4	1.0	0.9
Feb.	2.7	1.6	1.0	2.8	0.6	1.5	2.2	1.6	0.6	2.2	1.2	0.6

Year & Month	Chemicals						Petroleum & Coal Products					
	Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	2.2	1.6		2.3	1.0	0.7	1.4	1.1		1.4	0.6	0.3
1975	2.2	0.9		2.4	0.5	1.4	1.1	0.8		1.1	0.3	0.3
1976	2.1	1.2	0.7	1.9	0.6	0.8	1.5	1.0	0.2	1.6	0.4	0.3
1977	2.0	1.3	0.6	2.0	0.7	0.6	1.4	1.1	0.1	1.5	0.5	0.3
1978	2.0	1.4	0.5	1.8	0.7	0.5	1.4	1.1	0.2	1.5	0.5	0.4
1979	1.9	1.4	0.4	1.7	0.8	0.4	1.6	1.2	0.2	1.4	0.6	0.4
Feb.	1.5	1.2	0.3	1.4	0.5	0.3	1.0	0.6	0.3	1.2	0.4	0.2
Mar.	2.1	1.6	0.4	1.4	0.7	0.3	1.2	0.9	0.2	0.7	0.3	0.1
Apr.	1.6	1.1	0.3	1.2	0.6	0.4	2.0	1.1	0.8	1.2	0.5	0.4
May	2.2	1.7	0.4	1.3	0.6	0.3	2.4	1.6	0.4	1.0	0.4	0.2
Jun.	3.0	2.4	0.4	1.5	0.7	0.4	2.8	2.6	0.1	1.2	0.2	0.3
Jul.	1.6	1.2	0.3	1.4	0.7	0.4	2.7	2.3	0.2	1.1	0.4	0.2
Aug.	1.9	1.6	0.3	2.8	1.9	0.4	1.4	0.9	0.1	3.6	2.5	0.4
Sep.	2.0	1.5	0.3	2.5	1.2	0.8	1.7	1.4	0.2	1.8	1.1	0.1
Oct.	1.9	1.4	0.4	1.7	0.7	0.6	1.1	0.9	0.1	1.4	0.3	0.5
Nov.	1.4	0.9	0.4	1.2	0.6	0.3	0.9	0.8	0.1	1.5	0.4	0.7
Dec.	1.3	0.9	0.2	1.2	0.4	0.5	0.7	0.6	N	1.5	0.3	1.1
1980												
Jan.	1.7	1.1	0.4	1.9	0.6	0.6	1.2	0.9	0.1	1.1	0.4	0.2
Feb.	1.8	1.2	0.4	1.6	0.5	0.2	0.9	0.5	0.3	1.2	0.3	0.1

Year & Month	Rubber & Plastics						Leather Goods					
	Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	4.4	3.0		5.2	2.3	1.8	7.1	5.6		8.6	5.1	2.6
1975	3.7	1.1		4.9	0.9	3.1	6.8	5.1		7.0	3.5	2.6
1976	4.1	2.2	1.6	3.7	1.3	1.5	6.4	4.7	1.4	7.2	3.9	2.4
1977	3.5	2.3	1.0	3.6	1.4	1.3	6.6	4.9	1.3	6.8	4.1	1.8
1978	3.3	2.2	0.8	3.2	1.5	1.0	7.0	5.0	1.5	8.0	4.8	2.4
1979	3.6	2.4	0.9	3.5	1.6	1.1	6.7	4.8	1.3	7.7	4.5	2.4
Feb.	3.0	2.0	0.8	2.7	1.2	0.9	4.4	3.4	0.5	5.4	3.2	1.5
Mar.	3.1	2.2	0.6	3.5	1.5	1.1	6.8	4.7	1.5	8.3	4.5	2.8
Apr.	3.8	2.2	1.4	3.4	1.2	1.4	6.7	4.9	1.5	8.2	4.7	2.5
May	4.8	3.2	1.2	3.2	1.5	0.8	7.9	5.8	1.5	8.2	5.4	1.4
Jun.	4.5	3.4	0.7	2.9	1.2	1.0	7.8	5.7	1.5	7.3	4.5	2.1
Jul.	3.1	2.0	0.8	3.2	1.4	1.0	5.5	4.0	1.0	9.9	4.5	4.9
Aug.	3.9	2.8	0.7	5.6	3.3	1.3	10.4	6.5	3.7	10.8	6.7	3.4
Sep.	3.5	2.4	0.6	4.4	2.3	1.2	6.2	4.6	1.1	8.0	6.0	1.3
Oct.	3.1	2.1	0.7	3.5	1.3	1.1	5.6	4.9	0.4	7.0	4.5	1.7
Nov.	2.5	1.3	0.9	2.8	1.0	1.2	4.5	3.6	0.6	6.7	3.2	3.0
Dec.	1.8	1.0	0.7	3.0	0.6	1.7	4.3	2.2	1.8	5.6	2.4	2.3
1980												
Jan.	3.2	1.7	1.2	4.0	1.2	2.1	7.0	5.0	1.7	6.1	3.6	1.8
Feb.	2.2	1.3	0.7	3.8	0.9	2.1	5.4	4.0	1.3	5.3	3.3	1.2

N = Negligible

TABLE 18. LABOR TURNOVER RATES IN PENNSYLVANIA
DURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	All Manufacturing						Durable Goods						Furniture & Fixtures						Stone, Clay & Glass					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	3.4	2.2		3.9	1.6	1.6	2.9	1.9		3.2	1.2	1.3	5.0	3.5		7.0	2.9	3.0	3.6	2.0		4.6	1.4	2.5
1975	3.3	1.4		3.9	0.8	2.3	2.8	0.9		3.7	0.6	2.5	5.8	2.0		6.1	1.2	4.1	3.9	1.0		4.6	0.7	3.3
1976	3.3	1.5	1.5	3.5	0.9	1.9	2.9	1.0	1.6	3.1	0.6	1.8	5.1	2.8	2.0	5.2	1.8	2.5	3.7	1.3	2.3	3.5	0.7	2.2
1977	3.4	1.7	1.5	3.5	1.0	1.8	3.1	1.3	1.6	3.2	0.7	1.8	6.4	3.8	2.4	5.6	2.1	2.5	3.9	1.4	2.4	3.6	0.8	2.2
1978	3.0	1.8	0.9	2.9	1.2	1.1	2.6	1.5	0.9	2.4	0.8	0.9	4.8	4.0	0.6	4.7	2.7	1.0	2.7	1.6	1.0	2.8	0.9	1.2
1979	3.0	1.8	0.9	3.1	1.2	1.3	2.6	1.5	0.8	2.7	0.9	1.1	4.9	3.4	1.3	5.4	2.2	2.0	2.8	1.3	1.3	2.9	0.8	1.5
Feb.	2.6	1.6	0.9	2.5	0.9	0.9	2.4	1.4	0.8	2.3	0.7	1.5	3.7	2.3	1.5	4.2	1.6	1.5	2.6	0.8	1.6	2.4	0.5	1.2
Mar.	3.1	1.8	1.0	2.9	1.1	1.0	2.6	1.5	0.9	2.3	0.8	0.8	4.1	3.5	0.3	5.7	2.4	1.9	3.8	1.0	2.7	2.6	0.7	1.4
Apr.	2.9	1.7	0.9	2.8	1.1	1.0	2.5	1.5	0.8	2.3	0.8	0.6	4.2	3.1	0.6	6.0	2.0	2.9	3.8	1.7	2.0	2.4	0.7	1.2
May	3.6	2.3	1.0	2.8	1.2	0.9	3.2	2.0	0.9	2.2	0.9	0.6	7.8	4.3	3.3	6.9	2.2	3.2	3.8	2.3	1.3	1.9	0.8	0.6
Jun.	3.6	2.6	0.7	2.8	1.2	1.0	3.1	2.3	0.6	2.3	0.9	0.8	6.5	3.8	2.4	4.6	2.4	0.8	3.6	2.6	0.7	2.3	0.8	1.0
Jul.	3.2	1.8	1.1	3.3	1.1	1.6	2.7	1.6	0.9	2.7	0.8	1.2	6.6	3.5	3.0	7.5	2.0	4.5	2.7	1.7	0.9	2.4	0.8	1.1
Aug.	3.5	2.2	1.0	4.2	2.3	1.2	3.0	1.8	0.9	3.7	1.8	1.1	6.9	5.2	1.6	6.8	4.4	0.7	2.9	1.7	1.1	4.1	2.1	1.4
Sep.	3.1	2.1	0.7	3.5	1.6	1.2	2.5	1.6	0.6	3.0	1.2	1.0	5.3	4.9	0.3	6.0	3.1	1.4	2.7	1.3	1.3	3.0	1.3	1.1
Oct.	2.9	1.9	0.8	3.1	1.1	1.3	2.4	1.5	0.7	2.7	0.8	1.2	3.8	3.1	0.5	3.9	2.0	0.9	1.7	1.0	0.5	3.1	0.7	1.9
Nov.	2.3	1.3	0.8	3.0	0.8	1.6	1.8	0.9	0.6	2.7	0.6	1.6	2.8	2.1	0.6	4.4	1.4	2.2	2.0	0.7	1.1	2.2	0.5	1.3
Dec.	1.9	0.9	0.9	3.1	0.6	2.0	1.6	0.7	0.8	3.0	0.4	2.0	2.5	1.4	1.0	3.6	1.1	1.8	1.4	0.4	0.9	3.9	0.3	3.2
1980																								
Jan.	3.2	1.5	1.4	3.3	0.9	1.7	2.8	1.2	1.3	3.1	0.6	1.8	3.5	1.9	1.5	5.3	1.3	3.2	2.5	0.6	1.8	3.9	0.5	2.8
Feb.	2.8	1.4	1.2	2.9	0.9	1.3	2.4	1.1	1.1	2.8	0.6	1.4	3.7	2.2	1.3	3.7	1.3	1.6	2.5	0.5	1.9	2.8	0.5	1.9

Year & Month	Primary Metals						Fabricated Metals						Machinery except Electrical						Electric & Electronic Equipment					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	2.3	1.5		2.3	0.9	0.8	3.7	2.4		4.1	1.4	1.8	2.6	2.1		2.3	1.2	0.4	2.2	1.4		2.9	1.1	1.1
1975	3.0	0.5		4.3	0.3	3.3	2.8	1.1		3.8	0.6	2.5	1.7	0.9		2.7	0.6	1.5	1.6	0.4		2.8	0.4	1.8
1976	3.3	0.6	2.4	3.3	0.4	2.2	2.7	1.1	1.5	3.5	0.6	2.2	2.4	0.9	1.4	2.8	0.6	1.7	2.1	1.0	0.7	2.2	0.6	0.9
1977	2.9	0.8	1.8	3.2	0.4	2.0	3.3	1.3	1.8	3.4	0.7	2.1	3.2	1.0	2.0	3.5	0.6	2.3	2.5	1.2	0.8	2.6	0.7	1.2
1978	2.5	1.1	1.2	2.4	0.5	1.1	3.1	1.6	1.2	3.0	0.9	1.3	2.1	1.4	0.5	1.6	0.7	0.4	2.3	1.3	0.7	2.3	0.8	0.8
1979	2.2	1.2	0.8	2.4	0.6	1.0	3.2	1.9	1.1	3.2	1.0	1.5	1.8	1.4	0.3	1.6	0.8	0.4	2.4	1.4	0.6	2.4	0.9	0.8
Feb.	2.3	1.3	0.8	1.8	0.4	0.5	2.6	1.7	0.7	2.7	0.7	1.3	1.7	1.4	0.2	1.3	0.6	0.2	2.2	1.2	0.6	2.2	0.7	0.8
Mar.	1.9	1.2	0.5	1.8	0.4	0.6	3.0	1.8	1.1	2.5	0.8	1.0	1.8	1.4	0.2	1.7	0.8	0.3	2.4	1.4	0.7	2.4	0.8	0.8
Apr.	2.0	1.1	0.7	1.9	0.4	0.7	2.8	1.8	0.9	3.1	0.9	1.6	1.6	1.2	0.2	1.3	0.7	0.2	2.5	1.4	0.7	2.3	0.8	0.5
May	3.3	1.8	1.1	1.6	0.5	0.4	3.8	2.4	1.1	2.5	1.1	0.7	1.9	1.6	0.2	1.5	0.8	0.2	2.9	1.8	0.6	2.4	1.0	0.6
Jun.	2.6	2.0	0.3	1.4	0.5	0.2	3.7	2.5	1.0	3.5	1.0	1.7	2.4	2.1	0.2	1.9	0.9	0.5	2.9	2.1	0.5	1.7	0.8	0.3
Jul.	2.2	1.4	0.6	2.3	0.5	0.8	3.3	1.9	1.1	3.3	0.9	1.7	2.0	1.3	0.5	1.9	0.7	0.7	2.9	1.6	1.0	2.8	0.8	1.5
Aug.	2.0	1.2	0.5	3.4	1.7	0.8	4.7	2.4	1.9	4.6	2.0	1.9	2.3	1.5	0.6	2.3	1.3	0.4	3.0	2.1	0.5	3.9	2.0	1.0
Sep.	1.7	1.0	0.5	3.4	1.0	1.6	3.3	2.3	0.7	3.0	1.2	1.1	1.8	1.5	0.2	2.0	0.9	0.5	2.4	1.5	0.4	2.3	1.2	0.4
Oct.	2.1	0.9	0.9	2.8	0.5	1.6	3.2	2.1	1.1	3.1	0.9	1.4	1.7	1.4	0.2	1.5	0.7	0.4	1.9	1.2	0.3	2.2	0.7	0.8
Nov.	1.7	0.7	0.9	2.3	0.3	1.4	2.4	1.4	0.9	2.7	0.6	1.5	1.4	1.1	0.2	1.3	0.6	0.4	1.5	0.9	0.2	1.9	0.5	0.8
Dec.	1.9	0.4	1.2	3.7	0.3	2.9	2.0	0.9	0.9	3.9	0.5	2.8	1.2	0.8	0.2	1.1	0.4	0.3	1.5	0.7	0.5	1.8	0.5	0.8
1980																								
Jan.	2.5	0.7	1.5	2.8	0.3	1.6	4.2	1.4	2.5	4.4	0.6	3.0	1.9	1.5	0.3	1.7	0.7	0.5	2.4	1.3	0.6	2.5	0.7	0.9
Feb.	2.4	0.6	1.5	2.5	0.4	1.3	2.9	1.3	1.3	3.1	0.6	1.8	1.6	1.2	0.3	1.7	0.7	0.5	1.9	1.0	0.4	3.3	0.7	1.5

Year & Month	Transportation Equipment						Instruments & Related						Miscellaneous Manufacturing					
	Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1974	4.2	2.2		4.2	1.1	2.0	2.9	2.4		2.8	1.4	0.7	3.8	2.6		4.8	1.8	2.3
1975	3.5	1.3		3.9	0.6	2.2	1.9	1.1		2.2	0.6	1.0	3.2	1.0		3.3	0.7	2.1
1976	3.2	1.1	1.6	3.5	0.5	2.0	2.1	1.4	0.5	1.8	0.7	0.6	2.6	1.5	0.9	2.7	0.8	1.2
1977	3.0	1.6	1.1	2.8	0.6	1.4	2.1	1.6	0.3	1.7	0.8	0.4	2.7	1.5	1.1	2.7	0.8	1.3
1978	3.0	1.5	1.0	2.5	0.7	1.0	2.0	1.6	0.2	1.7	0.9	0.3	2.9	1.9	0.9	2.9	1.0	1.2
1979	2.8	1.4	0.9	3.3	0.7	1.6	2.0	1.5	0.3	1.9	0.9	0.4	3.6	2.2	1.2	3.8	1.4	1.7
Feb.	2.0	1.3	0.4	2.9	0.5	1.4	2.6	2.4	0.1	2.5	1.1	0.3	3.2	1.6	1.4	2.3	0.8	0.6
Mar.	2.7	1.6	0.7	2.8	0.9	1.0	2.2	1.9	0.1	1.4	0.9	0.2	3.6	2.3	1.3	2.7	0.9	0.7
Apr.	3.1	1.4	1.3	2.9	0.7	1.1	2.0	1.4	0.5	1.7	0.9	0.3	3.3	1.6	1.6	3.0	0.9	1.1
May	3.1	1.5	1.2	2.5	0.6	0.9	2.7	1.9	0.6	2.0	0.9	0.5	3.5	2.3	1.0	2.2	1.1	0.3
Jun.	2.7	1.7	0.6	3.8	0.6	1.9	2.9	2.3	0.4	2.0	1.0	0.4	6.0	4.4	1.4	2.4	1.4	0.5
Jul.	3.2	1.4	1.2	3.0	0.6	1.4	1.5	1.2	0.1	2.1	0.8	0.8	3.3	1.5	1.7	4.1	1.4	2.2
Aug.	3.1	1.4	1.2	3.4	1.1	1.4	7.9	1.2	0.5	2.6	1.5	0.3	4.8	3.4	1.3	6.2	3.7	1.9
Sep.	3.1	1.7	1.0	3.1	1.0	1.2	1.5	1.2	0.2	3.0	1.1	1.0	4.0	3.2	0.6	3.8	2.0	1.0
Oct.	3.3	2.0	0.7	3.4	0.9	1.3	1.4	1.2	0.1	1.6	0.8	0.4	4.0	2.4	1.5	3.2	1.8	0.5
Nov.	2.2	0.7	1.1	6.2	0.6	4.7	1.5	1.0	0.4	1.4	0.6	0.4	1.6	1.1	0.4	6.6	1.5	4.5
Dec.	1.7	0.4	0.9	3.0	0.3	2.2	1.1	0.7	0.3	1.0	0.5	0.1	1.2	0.6	0.6	5.4	0.7	4.4
1980																		
Jan.	2.9	1.4	1.2	3.4	0.5	1.8	1.7	1.2	0.4	2.1	0.6	0.7	2.3	1.3	0.9	4.7	1.2	2.7
Feb.	3.1	1.3	1.5	3.5	0.5	2.0	1.9	1.4	0.3	2.1	0.6	1.0	4.0	1.5	2.5	3.7	0.9	2.0

N = Negligible